

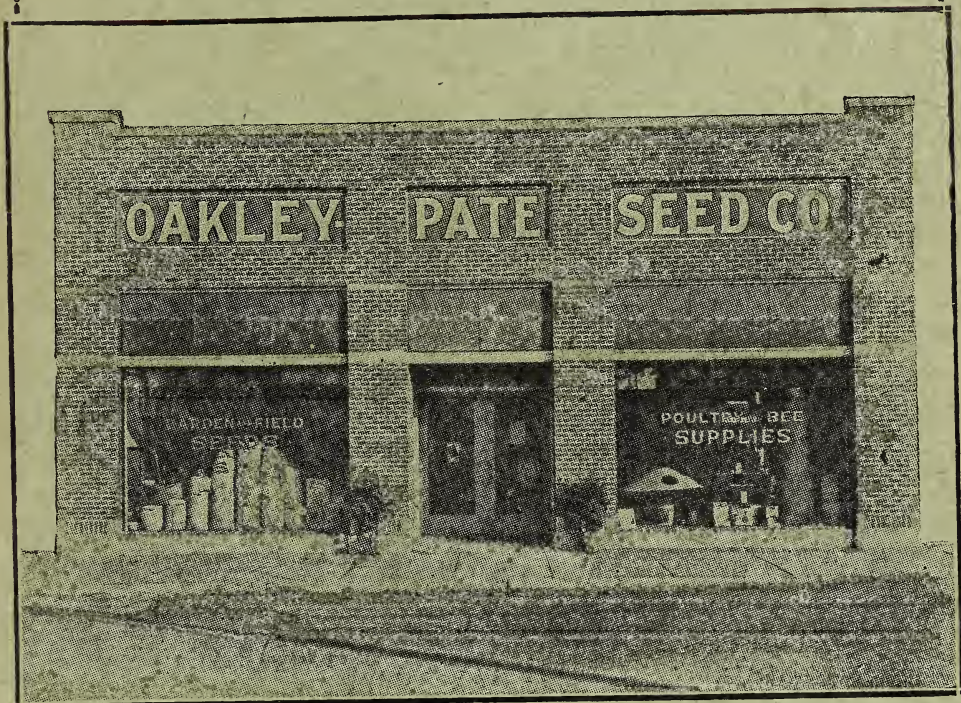
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1920



SUCCESSORS TO REDING & CLARK



DEALERS IN

**GARDEN, FLOWER AND FIELD SEEDS
PLANTS, BULBS, and NURSERY STOCK**

**Flour, Mill Feeds, Stock and Poultry Remedies
Incubators, Brooders, Spraying Materials and Garden Tools**

CAR LOT BUYERS OF

**Stoneware and Flower Pots, Swift's Meat Scrap
Poultry Bone and Tankage**

PHONE 62

1327-29 Main St.

JOPLIN, MO.

TO OUR CUSTOMERS

At prices quoted in this catalogue, we prepay postage on Garden and Flower Seeds within the 5th Zone.

Prices quoted on Field Seeds, Plants and Nursery Stock are net F. O. B. Joplin, and will be shipped at the purchasers expense.

Remittance may be made by P. O. or Express Money Order, Bank Draft or Registered Letter, and should always accompany the order.

NON-WARRANTY.—Sometimes though not often our seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, to cold weather or a baking sun which forms a crust too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our hands: neither can we fully control anywhere or at any time the operation of natural law as it affects seeds; therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

NEW PARCEL POST RATES

based on DISTRICTS and ZONES. The DISTRICT includes office where mailed and the rural routes therefrom.

A DISTRICT RATE OF 5 CENTS for the first pound, and 1 cent for each additional two pounds or fraction thereof up to 70 lbs. (the district weight limit) is charged between points in his district.

First and Second Zones cover a radius of 200 miles from the point of mailing, having a weight limit of 70 pounds and a rate of 5 cents for the first pound and 1 cent for each additional pound, or fraction thereof

The Third Zone also has a weight limit of 70 pounds.

A weight limit of 50 pounds applies to the fourth, fifth, sixth, seventh and eighth zones with rates increasing with the distance. See table.

SIZE AND WEIGHT.—A Parcel Post package may weigh from 4 ounces to 70 pounds for the first, second and third zones—with a 50-pound weight limit for fourth to eighth zones, and must not exceed in size 84 inches in length and girth combined.

Four Ounces or less will be charged for at 1 cent per ounce or fraction thereof, except on Books, Seeds, Plants, Bulbs, etc., which are 1 cent for 2 ounces up to 8 ounces for any distance.

We have catalogued the weight of most items mailable by Parcel Post and by reference to the table you can always figure your postage.

Parcel Post Rates apply to Seeds, Plants and Books weighing over 8 ounces. Other fourth class matter over 4 ozs. charged at pound rate		First Pound or Fraction Thereof	Each Additional Pound or Fraction	
Local or District Rate—Joplin Office and Rural Routes therefrom			½ cent	Wt. Limit 70 lbs
1st Zone up to and including a radius of 200 miles from the point of mailing.		\$0.05		
2nd Zone		.05	\$0.01	Wt. Limit 70 lbs
3rd Zone		.06	.02	Wt. Limit 70 lbs
4th Zone		.07	.04	Wt. Limit 50 lbs
5th Zone		.08	.06	Wt. Limit 50 lbs
6th Zone		.09	.08	Wt. Limit 50 lbs
7th Zone		.11	.10	Wt. Limit 50 lbs
8th Zone		.12	.12	Wt. Limit 50 lbs



WAR TAX

On Packages requiring 25c Postage add 1c Tax; on 26c to 50c add 2c Tax; over 50c add 1c for every 25c or fraction thereof.

GARDEN SEEDS

○ **AKLEY-PATE SEED CO.'S** Bulk Garden, Flower and Field Seeds, also their Bulbs, are grown in the different parts of the United States and Europe that are best adapted to seed growing.

We endeavor to place our growing contracts with reliable firms, who employ specialists to oversee the growing of each crop, thereby securing for our patrons, what we believe to be, not only the best in varieties, but best in quality.

We do not claim to sell cheap seeds, but good seeds as cheaply as is consistent with the present cost of production.

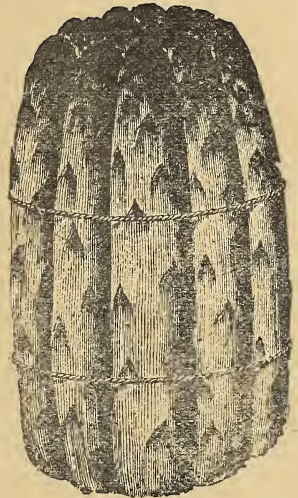
Owing to partial crop failures of some items and unsettled market conditions, we reserve the right to change the prices quoted herein without notice.

ASPARAGUS

CULTURE—Asparagus succeeds well in any good, rich soil, but a light, warm soil which has been heavily manured for previous crops is best. To grow asparagus roots, soak seeds in warm water for 24 hours; sow two inches deep in drills two feet apart. When the plants are well up, thin out one inch apart and give frequent and thorough cultivation. The roots can be transplanted, either at one or two years old, in the fall or spring.

CONOVER'S COLOSSAL—A standard variety of large size and delicious quality. Certainly one of the best varieties grown. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

2 Year Old Roots, doz., 25c; 100 for \$1.00.



RHUBARB or PIE PLANT

MYATT'S LINNEUS—Stalks and leaves large, early, tender and of good flavor. Pkt., 5c; oz., 10c; lb., \$1.00.

RHUBARB ROOTS—3 year old Subdivisions, per doz., \$1.25 postpaid; per 100 \$8.00, not prepaid.

HORSERADISH ROOTS—per doz., 25c postpaid; per 100 \$1.50, not prepaid.

ENDIVE

CULTURE—For an early crop, sow in April in drills 15 inches apart, and later thin the plants to stand 12 inches apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch them. One ounce of seed will sow 150 feet of drill.

FINE GREEN CURLED—Hardest variety; the most desirable for home use or market garden. Deep green leaves, beautifully cut and curled easily; blanched. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb. 30c; lb., \$1.00.

KALE or BORECOLE

KALE, or German Greens, do not form heads, but furnish an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like Cabbage. Will endure considerable frost without injury. Dwarf Green Curled, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb. 50c.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

BUSH or SNAP BEANS

GREEN PODDED VARIETIES

O.-P. S. Co.'s FAVORITE, Our Leader in Green Pod Bush Beans. The plant is remarkably handsome and thrifty, being practically rust and mildew proof. It is very hardy, extremely early, very prolific and bears continuously for several weeks. The vines are large, somewhat spreading; foliage is dark green, with leaves large and crumpled. The pods are very long, flat, irregular in shape, bright, but rather dark green and of excellent quality.

Seed of medium size, oval, flat, yellowish brown in color. Pkt. 10c; $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 3 lbs. \$1.05.

GIANT STRINGLESS GREEN POD—Long, round meaty pods, perfectly stringless. Pkt. 10c; lb. 35c; 5 lbs. \$1.50.

BURPEE'S STRINGLESS GREEN POD—The pods are absolutely stringless at all stages of growth, brittle, tender and good flavor. Pkt. 10c; lb. 35c; 3 lbs. \$1.00.

LONGFELLOW—A remarkably early, perfectly round, very prolific Bean, bear-



ing pods frequently over 6 inches long, and entirely stringless, except when old. Pkt. 10c; lb. 35c; 3 lbs. 95c.

EARLY ROUND POD RED VALENTINE—Usually ready to pick in 35 days after planting. Pods round, thick, fleshy of fine quality; pods are long, straight and handsome. Pkt. 10c; lb. 35c; 3 lbs. \$1.00.

Early Yellow Six Weeks—Extra early. Pkt. 10c; lb. 35c; 3 lbs. \$1.00.

YELLOW OR WAX PODDED VARIETIES

IMPROVED GOLDEN WAX, RUST PROOF—The pods are of dark, rich golden yellow color and of perfect shape. Cooking quickly as snaps, shelling well when green. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

PENCIL POD BLACK WAX—Although hardy, it is absolutely stringless, tender and of a most luscious quality; pods smooth, perfectly round, and straight as a lead pencil. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

HENDERSON'S BUSH LIMA—The earliest of the Bush Lima's. Grown in compact bunch form. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

BURPEE'S IMPROVED BUSH LIMA—The plants are uniformly dwarf and erect, branch vigorously and is an immense yielder. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

DAVIS WHITE WAX—Vines very vigorous. Pods long, light yellow, straight, handsome, and when young are crisp and tender; seed medium large, kidney shaped, clear white, and excellent for baking. Pkt. 15c; lb. 50c; 2 lbs. 95c.

With your next plant order try some of Burpee's Dwarf Giant Tomatoes.



CORN OR CORN-FIELD BEANS

PERFECTION WAX — Finest Pole Bean ever introduced. Pods are long and so thick and fleshy that they are frequently greater in thickness than in breadth; meaty and nearly stringless. The vines commence to bear very early. Pkt. 15c; lb. 45c.

MISSOURI WONDER—Originated in Missouri. It is enormously prolific and so hardy that it will often come up voluntarily from seeds that have remained on the ground all winter. Pkt. 10c; lb. 45c; 3 lbs. \$1.10.

LAZY WIFE—Prolific sort, with handsome, entirely stringless pods. They measure from 4½ to 6 inches in length, are thick and fleshy. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

KENTUCKY WONDER OR OLD HOMESTEAD—An old favorite, with long, fleshy, deeply saddle-backed pods. Very prolific. Pkt. 10c; lb. 35c; 3 lbs. 95c.

DUTCH CASE KNIFE—Vines moderately vigorous, climb well, and excellent for a corn hill bean; leaves large crumpled and pods very long, flat, green in color, becoming creamy white later. Beans broad kidney shaped, flat and white in color. Pkt. 10c; lb. 35c; 3 lbs. \$1.00.

CREASE BACK OR FAT HORSE—Wonderfully productive pods, long and stringless; bears 4 to 12 pods in a cluster. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

KENTUCKY WONDER—White Seeded. This variety is very much like its famous namesake, Kentucky Wonder, except that the berry when ripe is white. Pkt. 10c; lb. 40c; 3 lbs. \$1.10.

POLE LIMA BEANS

KING OF THE GARDEN LIMA—It is a heavy yielder on all sorts of soil, and is of excellent flavor. Pods are of enormous size, measuring eight or nine inches in length, and containing as many as eight or nine beans. Pkt. 10c; lb. 45c; 3 lbs. \$1.25.

FIELD BEANS

WHITE TEPARY BEAN—A white shell Bean more prolific than the Navy. This is a native of the arid Southwest and is well adapted to a dry climate; it is quick maturing and endures drought better than other varieties. Tepary Beans are immune to common Bean diseases. Pkt. 10c; lb. 35c; 2 lbs. 60c.

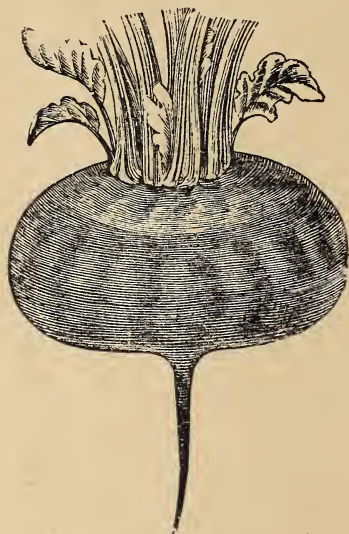
WHITE NAVY or PROLIFIC TREE—Navy Beans should be planted from the first to the middle of July, on ground not too rich, to insure them bushing, or not growing to vines. Pkt. 10c; lb. 30c; 3 lbs. 75c.

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Garden Beets

Beets grow best in moderately rich, light loam. Sow the seed as soon as the ground becomes fit to work, in drills 18 inches apart, 1 inch deep.

OAKLEY-PATE SEED CO.'s CRIMSON GLOBE—The root is of medium size, generally about three inches in diameter, very handsome in shape, being a little deeper than round, with a remarkably smooth surface. It has a very small tap root. Dark leaves are small and borne on slender stems. The interior color is very deep crimson, but is ringed or zoned in a most beautiful manner. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.



Crosby's Egyptian.

CROSBY'S EGYPTIAN—This beet is perfect in shape, and deepest red, almost black, in color. Equally good for early bunching as well as the fall market. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

DETROIT DARK RED—Its small top, early maturing and splendid shape and color have made it a favorite. Top small upright growing, so that the rows may be close together; leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark blood red; flesh deep bright red, zoned with a darker shade; very crisp, tender and sweet, remaining so for a long time. Uniform in shape, color and quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

EARLY ECLIPSE—One of the best of the table Beets. Has small tops and is smooth fine grained and tender. Color, bright red, sometimes with lighter zones. Pkt. 5c; oz. 10c; lb. 30c.

EARLY BLOOD TURNIP—The old standard. A good summer and autumn variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SWISS CHARD—The plants grow from 2 to 2½ feet tall and consist when fully developed of about a dozen creamy white, attractively curled leaves. These leaves are carried on broad, thick stalks, about 12 inches long. Take the leafy portions of the plant and cook like spinach. Prepare the stalks as you would asparagus. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Stock and Sugar Beets

Sugar Beets as well as Mangels, are most valuable for stock feeding. Eight pounds will plant one acre.

LONG RED MANGEL—A large variety grown for stock feeding. It stands up well above the surface; color, light red; flesh white and rose colored. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Medium and Late Cabbage

CULTURE — Cabbage requires deep rich, mellow soil, and good culture, to obtain firm, solid heads. For early use, sow seeds of the early kinds, in hot beds or in a box in the house, the last of January or early in February; transplant into open ground in April. For second early cabbage, sow in April and transplant in May. One ounce of seed produces 2,500 plants.

COPENHAGEN MARKET—The heads are exceptionally large. Plant compact short stem and few outer leaves which are of rather upright growth. The heads are round, solid and of exceptionally good quality. Its earliness, compact growth, evenness of maturing, uniformity and size of head, and most excellent quality combine to make Copenhagen Market one of the most valuable cabbages of recent introduction. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.75.

OAKLEY - PATE SEED CO.'S PRIZE HEAD LATE FLAT DUTCH—This is beyond question the finest strain of Late Flat Dutch to be had anywhere and at any price. We have taken great pains in selecting our stock to maintain a high standard. It is a thoroughbred, and will meet every demand for a first-class hard-heading, long-keeping cabbage. No better late cabbage was ever offered. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.50.

DANISH BALLHEAD or HOLLANDER—The heaviest cabbage for its size we have ever seen; exceedingly solid and hard; handsome, very hardy, a sure header, a good seller, and one of the finest of keepers, making it particularly desirable for shipping long distances. Our stock is grown by the most careful and experienced grower in Denmark, where the finest Ballhead Cabbage in the world is grown. Pkt. 10c; ½ oz. 25c; oz. 40c.

EARLY JERSEY WAKEFIELD — Realizing the unusual importance of this universally grown variety, our efforts have been unremitting to produce as thoroughbred a strain as possible. Makes a compact, solid head, with a few outside leaves, permitting of close planting. Very hardy. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.50.

HENDERSON'S EARLY SUMMER—A splendid sort, coming in just after the Wakefield. Makes large, fine, round heads. Pkt. 10c; oz. 40c.



Wakefield

CHARLESTON WAKEFIELD — A selection from Early Jersey Wakefield, only it is about one week later than that popular early variety and grows much larger. Pkt. 10c; ½ oz. 25c; oz. 40c.

EARLY FLAT DUTCH—One of the most reliable medium-early varieties. Makes large, flat solid heads. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.50.

PE-TSAI or CHINESE CABBAGE—The Pe-Tsai belongs to the cabbage family, and produces quickly from seed sown in the open ground very attractive heads somewhat resembling a well-grown Cos Lettuce. The best results have been obtained from seed sown about August 1, and the plants thinned out to stand about 15 inches apart in the row, as the heads develop rapidly and grow to a large size. The heads blanch readily and the leaves are so tender as to permit their being used as a salad; it is also very palatable if boiled like ordinary cabbage, but must be cooked quickly. Pkt. 10c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.50.

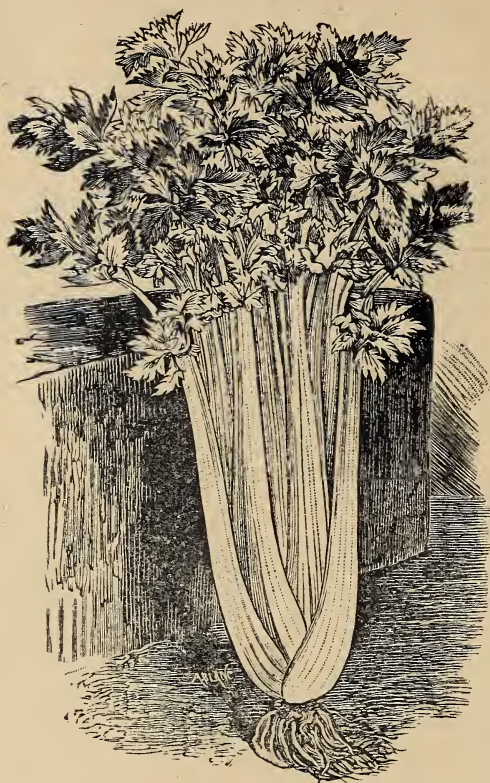
COLLARDS

A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

TRUE SOUTHERN, or GEORGIA—Pkt. 5c; oz. 15c; ¼ lb. 40c.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

CELERY



CULTURE—Seed should be sown in April in a hotbed or boxes, filled with mellow loam, and cover with about one-eighth inch of fine soil or sand, pressing it down firmly. Keep the soil moist constantly. When plants are fairly out of seed leaf, transplant or thin out 2 or 3 inches apart. Plant into the open ground the last of July.

GOLDEN SELF-BLANCHING — The stalks are much broader, grown from imported stock, and heavier than those of the white varieties, and greatly superior in quality. It is ready for use as early as any other sort. Stalks are crisp, tender and free from stringiness. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.

GIANT PASHAL—Very large, often stands freezes which completely kill other varieties. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

WHITE PLUME—One of the most desirable varieties for either home or market use. It self-blanches beautifully, stalks crisp and of delicious flavor. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

CELERIAC or TURNIP ROOTED CELERY—Grown exclusively for its roots, which, when cooked, sliced and used with vinegar, make a fine salad. Pkt. 10c; $\frac{1}{2}$ oz. 15c; oz. 25c.

TABLE CARROTS

IMPROVED LONG ORANGE—An improved and pure strain, producing roots of the largest size and superior quality. Color a deep orange, fleshy, very tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

DANVER'S HALF LONG—A rich red smooth and handsome, producing large crops. Tops are of medium size and

coarsely divided. Roots taper to a blunt point. Flesh sweet, crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CHANTENAY—Very productive, medium early of excellent quality. Uniformly half or stump rooted, but tapering slightly; orange red; crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CAULIFLOWER

Cauliflower delights in a rich, moist soil and in dry seasons should be abundantly watered, especially when heading. Sow the seed early in the hotbed and transplant two to three inches apart in boxes or in another hotbed until such time as they are safe to be planted in the open ground, which in this latitude is usually the first of April.

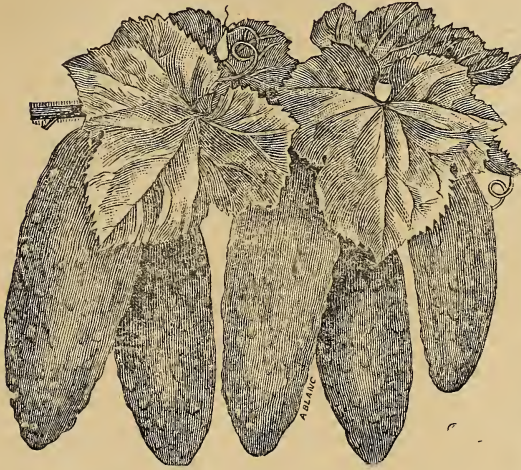
EARLY SNOWBALL—Produces large white heads in a very short time. Always tender and sweet. Our seed is

grown in Denmark by a specialist and cannot be surpassed. Pkt. 20c; $\frac{1}{2}$ oz. \$1.50; oz. \$2.50.



Cucumbers

CULTURE—Do not plant cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows four feet apart, 10 to 15 seeds to each hill; make soil very rich. For pickles plant from June 1st to middle of July.



SUPERIOR DARK GREEN—In our estimation this is the best cucumber grown. It can be aptly described as the perfect cucumber. The fruits are a glossy dark green. It is equally good as a pickle cucumber or for slicing for table use. The flesh is solid, tender and of excellent quality at all stages of growth. It has very prolific bearing fruits, of even size all through the season. Pkt. 5c; oz. 10c; ¼ lb. 35c.

KLONDIKE—A medium early, white spined cucumber of handsome, very dark green color. The vines are very hardy and productive. The fruits when mature are about eight inches long, and uniform in size and shape. Color dark green, slightly striped at the ends. Pkt. 10c; oz. 20c; ¼ lb. 60c.

EVERBEARING—Wonderfully prolific. Bears continually the entire season. Blossoms and cucumbers at all stages of growth are found on the same vine. The cucumbers will average about five inches in length and are of good form and color. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

IMPROVED LONG GREEN—Vine vigorous and productive. The fruits are very long, slender and of uniformly dark green color. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

EARLY GREEN CLUSTER—This is a short variety of a pale green color, which matures very early, is an excellent forcing kind. It is rather prickly and contains but few seeds. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

DAVIS' PERFECT—On account of its being such a strong grower it is able to resist the cucumber disease. It is early as the earliest strain of White Spine. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00

SMALL GHERKIN—(For Pickles). A very small oval, prickly fruited sort, quite distinct from all others, and grown exclusively for pickles. Should always be picked when young and tender. Pkt. 5c; oz. 15c; ¼ lb. 50c.

EARLY WHITE SPINE—Very prolific early, of good size, straight, well formed and full at both ends. The fruit is from six to eight inches long and two to three inches in diameter, with flesh of excellent flavor, white, clear, crisp and very tender. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

OKRA OR GUMBO

WHITE VELVET—Distinct in appearance; the large pods are perfectly round, smooth; an attractive velvety white, of superior flavor and tenderness. Pkt. 5c; oz. 10c; ¼ lb. 30c.

DWARF GREEN POD—Plant dwarf; are very productive. Produces beautiful, long, slender, deep green pods. Pkt. 5c; oz. 10c; ¼ lb. 30c.

We grow our own Cabbage, Tomato, Pepper and Sweet Potato Plants.

If the insects eat your Garden, Shrubs or Trees, write or telephone us. We have a preventive.

Sweet or Sugar Corn.

DON'T PLANT SWEET CORN DEEP—Sweet Corn should not be planted until the ground is warm, and only about 1 inch deep. Do not plant too early; not as early as field corn.



HOWLING MOB—In developing this Corn the originator aimed to secure a large ear early in the season, and at the same time possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth, four and one-half to five feet in height, have abundant foliage, and generally produce two fine ears to a stalk. Ears seven to nine inches in length, with twelve or fourteen rows of good-sized, pearly-white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms. Pkt. 15c; ½ lb. 25c; lb. 40c.

MAMMOTH LATE SUGAR—Produces larger ears than any other sugar corn, and of good quality; rich and very sweet. Pkt. 10c; ½ lb. 20c; lb. 35c.

EARLY ADAMS—An excellent early field variety used for table. Ears about eight inches long, 12 or 14 rowed; kernels white, rounded, somewhat deeper than broad, and indented at the outer end, which is whiter and less transparent than the inner. Pkt. 10c; ½ lb. 15c; lb. 25c.

GOLDEN BANTAM—A very early sweet corn, with golden yellow grain,

tender and of excellent quality. Ears six to seven inches long. Pkt. 10c; ½ lb. 20c; lb. 35c; 3 lbs. 90c.

SWEETHEART SUGAR CORN—Absolutely the Whitest and Sweetest Main Crop Sugar Corn. The ears are large, measuring 8 to 9 inches, with ten or more rows of plump, pure, white kernels that are of most delicious flavor. Stalks tall, broad leaved and strong; medium early. Pkt. 15c; ½ lb. 25c; lb. 45c.

COUNTRY GENTLEMAN—This variety has a small white cob, densely covered with irregular rows of long, slender, white grains of excellent quality. Pkt. 10c; ½ lb. 25c; lb. 40c.

STOWELL'S EVERGREEN—A favorite with canners and market gardeners for late use and especially for the kitchen garden. Ears large, kernels very deep, tender and of most delicious sweetness; very productive. Pkt. 10c; ½ lb. 20c; lb. 30c.

If in doubt what to plant and when to plant it, write or telephone us. We make it our business to know.

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Lettuce



SELECTED GRAND RAPIDS—Especially adapted for greenhouse culture in winter; also a good Lettuce to sow outside early in the Spring for family use. Grand Rapids does not form a head, but makes large bunches of light, attractively curled leaves. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

BLACK-SEEDED SIMPSON—Is very popular among market gardeners, and fine for the home table. Forms a large, loose head. Its nearly white, curly leaves are large, thin, very tender and of good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CALIFORNIA CREAM BUTTER—Stands the hot weather of the West and South better than most any other variety. Well formed, large heads, with rich, yellow leaves that are thick, tender and fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

EARLY CURLED SIMPSON—A leading early sort, does not head, but forms a compact mass of curly leaves of yellowish green; Matures early; generally grown in cold frames and as an early crop. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

IMPROVED HANSON—One of the best for growing during the hot summer months. The large heads weigh sometimes two or three pounds. They are tender, crisp and fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CELERY LETTUCE, TRIANON COS—This variety is the finest of the Cos or blanching sorts. The long, narrow leaves which form solid heads, like Early Jersey Wakefield Cabbages, blanch and become snowy white. Excels in quality and crispness. The leaves, when blanched, are stiff like celery, and can be eaten in the same manner. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

PRIZE HEAD—Mammoth heads; even the outer leaves are crisp and tender; light green, tinged with brownish red; superb flavor; very hardy; very fine for home use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

MUSTARD

OSTRICH PLUME—Leaves are finely cut and densely curled, resembling wavy ostrich plumes. Quick growth and mild flavor. A favorite. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CHINESE GIANT—The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

GIANT SOUTHERN CURLED Grows about 2 feet in height, with very dark, large green leaves, the edges of which are finely curled. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

EGG PLANT

NEW YORK IMPROVED LARGE PURPLE—The standard variety everywhere. The eggs come early, are of large size, regular oval shape, and a fine deep purple in color. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75.

Muskmelon or Cantaloupe



OAKLEY - PATE SEED CO.'s CHAMPION MARKET — Champion Market is one of the sweetest and most delicious green - fleshed Cantaloupes. Distinctly ribbed and thickly netted; color of skin gray - green. The vines are of luxuriant and vigorous growth, yielding bountifully. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.35.

RUST RESISTANT ROCKY-FORD —This is the highest development yet attained in the Rocky Ford Cantaloupe, both in netting and rust-resistant qualities. The meat is light green and very deep; it is

highly rust-resistant. It yields a heavy crop, continuing long in bearing. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

BURRELL GEM—It has a tough, thin rind, well arched, covered with a closely laced and interlaced gray netting, shape quite elongated, and the blossom end is protected with a well-developed button. Meat of a reddish orange, very thick, fine grained and spicy. Seed cavity small and triangular. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

TIP-TOP—Tip-Top in quality Tip-Top in appearance, Tip-Top in productiveness. Sweet, juicy, finest flavor, firm fleshed, and eatable to the outside coating. Fruit of large size, salmon in color; nearly round, evenly ribbed, moderately netted. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

HONEY DEW MUSKMELON—A delicious New Melon, sweet as honey. The average size is about six inches in diameter, and they weigh five to six pounds. The skin is smooth with little netting, and of creamy yellow when ripe. The flesh is a beautiful green next to the outside rind, shading to light green at the center. The Honey Dew is not easily bruised and stands shipping long distances. It is very prolific, crops of 8,000 to 10,000 melons per acre having been reported. It is easily pulled from the vine when fully ripe. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Kohl Rabi

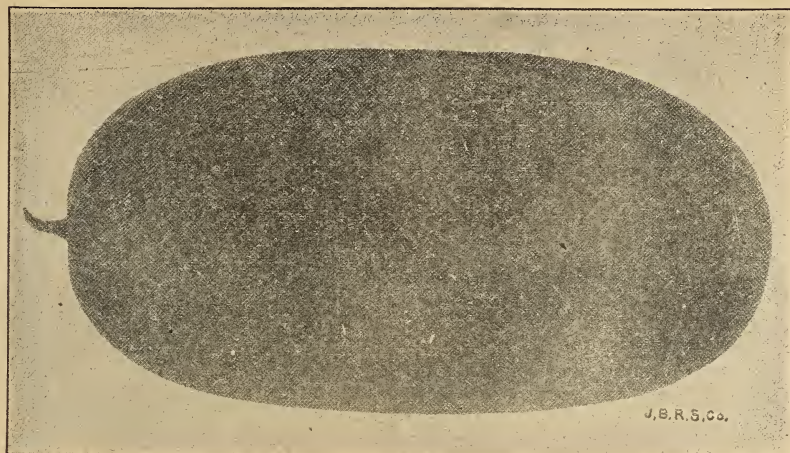


CULTURE—For early use, sow in hotbed, transplant and cultivate like Early Cabbage. For winter use, plant the middle of June or first of July, outdoors, in rows 18 inches apart, transplanting or thinning out to 8 inches apart in the rows. One ounce of seed sows 200 feet of drill.

EARLY WHITE VIENNA—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

EARLY PURPLE VIENNA—Same in every respect as the Early White Vienna except in color. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c.

Water Melons



Oakley-Pate Seed Co.'s TOM WATSON

NEW CHILIAN — It is smaller than the usual oblong melon and almost globular in shape, and only about 12 inches in diameter either direction. The flesh when the melon is cut is firm, never mealy, granular or stringy, and of a brilliant deep blood red color, right up to the thin rind. Oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

HALBERT HONEY — A very sweet long, dark green variety. Fruits average 18 to 20 inches long; have a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seeds white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

TOM WATSON — Is an extra long melon of attractive appearance, uniform in shape and quality. The luscious crimson flesh is "as sweet as honey," melting and of superb flavor. The average melon will weigh 35 to 40 pounds and

measures about 28 inches long and about 12 inches in diameter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

KLECKLEY'S SWEETS — The melons are oblong in form, with dark green, thin rind, which is very brittle. Flesh bright scarlet, with solid heart, deliciously crisp, sugary. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

GOLDEN HONEY — A beautiful, golden flesh melon. The flesh is yellow, very tender. It is medium early, of uniform large size and oblong shape. The color of the rind is light green with mottled stripes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SWEET HEART — Large and heavy, oval shape, pale green color with distinct netted lines of a darker shade. The solid flesh is deep rich red; crisp and luscious. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CITRONS

COLORADO PRESERVING — A large fruiting strain for preserving. Flesh clear, white and very solid; olive green skin. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 45c.

RED SEEDED — Smaller, round, with clear white flesh, very similar to Colorado Preserving. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 45c.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

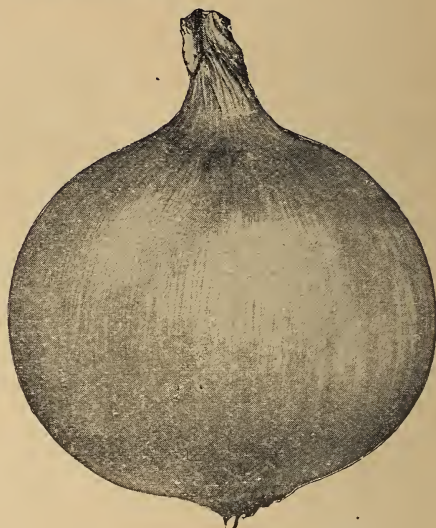
Onion Seed

LARGE RED WETHERFIELD—The largest, most uniform and heaviest yielder, and one of the best keeping of all the red onions. Large size; skin deep purplish red; form round, somewhat flattened; flesh purplish white. Yields enormous crops. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

SOUTHPORT WHITE GLOBE—The flesh is firm, fine grained, quite mild in flavor, and is more attractive than the colored sorts when cooked. Bulbs globe shaped, full at the shoulder, rounded at the base, keep well and are desirable for shipping. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

YELLOW GLOBE DANVERS ONION—Quite early, globular in shape, entirely free from thick necks. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$2.75.

SOUTHPORT RED GLOBE—The bulbs are remarkably uniform in shape, of a rich red color, ripens evenly. They ripen down hard and solid, keep well, and their beautiful appearance insures a ready market. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.



MAMMOTH YELLOW PRIZETAKER—This is the large, beautiful Spanish variety, 12 to 14 inches in circumference. Very hardy, and a good winter keeper, fine grained, mild. The outside skin is a rich yellow, while the flesh is white.

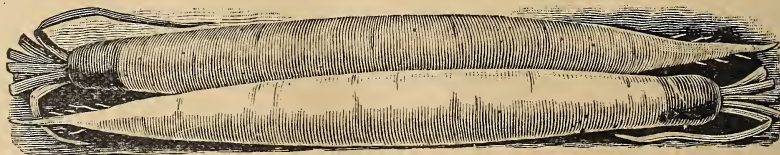


ONION SETS

RED BOTTOM ONION SETS—By mail, lb. 25c; by express or freight, bu. of 32 lbs., \$4.75.

YELLOW BOTTOM ONION SETS—By mail, lb. 25c; by express or freight, bu. of 32 lbs., \$4.50.

WHITE BOTTOM ONION SETS—By mail, lb. 25c; by express or freight, bu. of 32 lbs., \$5.25.



SALSIFY OR OYSTER PLANT

Sow early, in drills 18 inches apart. One ounce of seed will sow 50 feet of drill.

MAMMOTH SANDWICH ISLAND—Grows very large, resembling good-sized parsnips; well flavored, mild. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 60c.

SPINACH

BLOOMSDALE—Highly popular with market gardeners. A crop of this variety weighs much heavier than any other variety. It grows very quickly. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

Fine Peppers



PIMENTO PEPPERS

RUBY KING—The old standby. Peppers 3 to 4 inches in diameter, of mild flavor, very desirable for mangoes. Pkt. 10c; oz. 60c.

CHINESE GIANT—Its mammoth size, splendid shape, beautiful, rich, glossy flesh, and mild flavor, all lead us to speak of it in words of commendation. Its strong, bushy plants, which are literally loaded with the splendid, large fruits begin bearing quite early and continue to bear throughout the season. Has few seeds. Pkt. 10c; oz. 75c.

LARGE BELL, OR BULL NOSE—An early variety of mild flavor; skin is quite thick and fleshy; medium size. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 70c.

PERFECTION "PIMENTO"—The hull or meat is from two to three times as thick as that of the bell types, hence yields about twice as much. Pkt. 10c; oz. 70c.

PARSNIPS



LARGE SUGAR, OR HOLLOW CROWN—Smooth white skin, uniform in shape, tender and of the best quality. Oz. 10c; lb. 90c.

Parsley

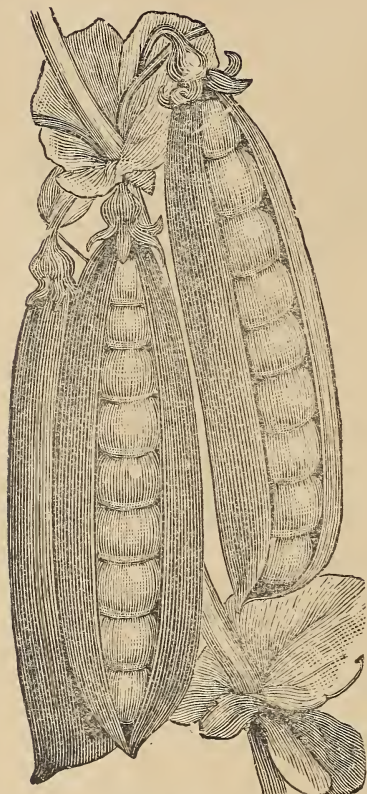
CHAMPION.. MOSS.. CURLED — A handsome variety of quick robust growth, forming compact, ornamental plants, densely furnished with strong stemmed, graceful leaves, finely cut, most beautifully curled and of that brilliant emerald green color so highly attractive when used for garnishing. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.



We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

Garden Peas

Peas marked (*) are wrinkled. Do not plant Wrinkled Peas until soil is warm.



THOMAS LAXTON

in length. Broad and pointed at the ends. Fit for table use 61 days from planting Pkt. 15c; ½ lb. 25c; lb. 50c.

***TELEPHONE**—Extra large pods. Vine large, coarse leaves, height about 4 feet. The pods are very large and filled with immense peas. Tender, sweet and of splendid quality and flavor. Pkt. 15c; lb. 45c; 2 lbs. 80c.

***THOMAS LAXTON**—A heavy and reliable cropper, bearing uniform, straight square-ended, dark green pods, containing 7 to 8 large, rich-flavored peas of a deep green color. 3 feet high. Pkt. 15c; lb. 45c; 2 lbs. 85c.

LARGE WHITE MARROWFAT—The vines of this variety are about five feet high and of strong growth. The pods are large, long, cylindrical, surface somewhat roughened, light colored and well filled; seed large, smooth, round and light creamy yellow. Pkt. 15c; lb. 45c; 2 lbs. 85c.

EARLY ALASKA—Extra early. The vines are of strong, vigorous habit and bear from four to seven long pods that are always filled with medium size peas of the most delicious flavor. Height 2 to 2½ feet. Pkt. 15c; ½ lb. 20c; lb. 40c; 2 lbs. 75c.

FIRST AND BEST—Mature in from 40 to 45 days after germination. The peas are of medium size, round, smooth, and of splendid flavor. The vines are very hardy and seed may be sown as soon as the soil becomes mellow. Height 2 feet. Pkt. 15c; ½ lb. 25c; lb. 40c.

***PREMIUM GEM**—A popular dwarf sort, growing about 14 inches high. It is hardier and can be planted earlier than most wrinkled peas; very prolific. The pods are large and contain six to eight peas each. Pkt. 15c; ½ lb. 25c; lb. 45c.

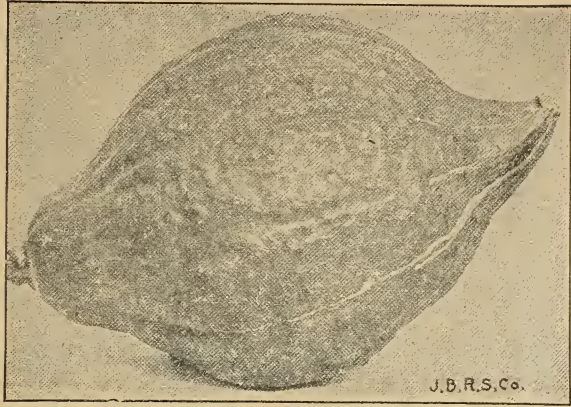
***NOTT'S EXCELSIOR**—Foliage dark green and rather heavy, suggesting health and vigor. On good soil, grows about one foot high. Pods one-third larger than American Wonder; Pods more often square than round. Pkt. 15c; ½ lb. 25c; lb. 45c.

POTLACH—Strong, vigorous vines of even growth, 20 to 24 inches in height, with luxuriant dark foliage, bearing pods 3½ to 4 inches

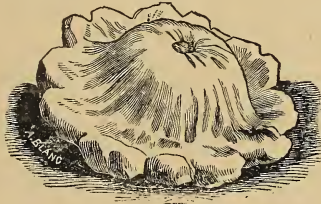
Squashes

WARTED HUBBARD—Vines vigorous and very productive. Fruit large, heavy, moderately warted, with very hard shell; skin uniformly dark bronze green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SUMMER CROOKNECK—Of a dwarf, bushy habit, and very productive; bears early and all Summer; true crookneck type; rich golden yellow color; thickly warted. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

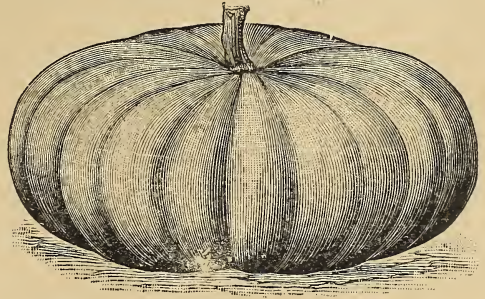


HUBBARD SQUASH



EARLY WHITE BUSH SCALLOP—The white "Pattypan" or "Cymling," as it is called in the South. A very early and continuous bearer. Ships well. Color, light cream. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

Fine Pumpkins



GENUINE MAMMOTH OR TRUE POTIRON—(King of the Mammoths, Jumbo Pumpkins). The skin is of salmon-orange color, the flesh thick, bright yellow, fine grained and of good quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

STRIPED CUSHAW—Distinct mottled green white striped. Fruit solid, average 15 to 25 pounds. Flesh yellow, fine grained, sweet. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

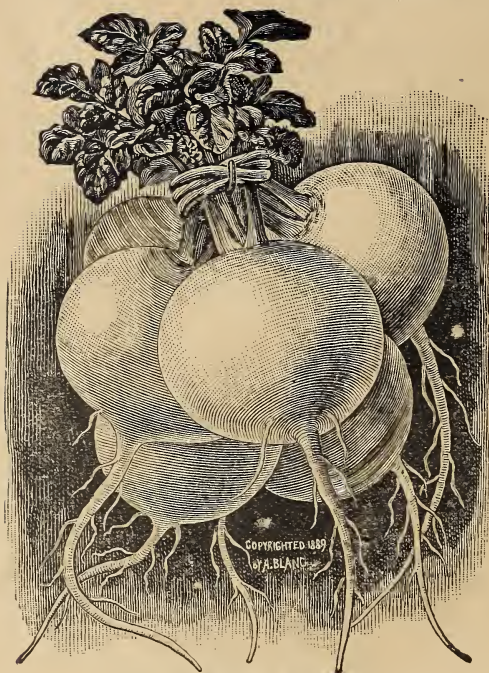
LARGE SWEET, or KENTUCKY FIELD—Large, round, flattened, hardy and productive. 1 to 2 feet in diameter. It has thick flesh of extra fine quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

TENNESSEE SWEET POTATO—Medium sized, pearshaped, striped white and green; thick flesh and of good flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

LARGE SWEET CHEESE—Shape flat, skin mottled light green and yellow. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

SMALL SWEET OR SUGAR—This is the small, sweet Pumpkin. It is a very fine grained, splendid keeper. Deep orange-yellow color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

Radish Seed



WHITE BOX RADISH

WHITE STRASBURG SUMMER—When fully grown the roots are about five inches long and very thick at the shoulder. It never becomes tough or pithy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

FRENCH BREAKFAST—This pretty Radish in color is bright red, tipped with white. It is oblong in shape and in quality is crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

LONG BLACK SPANISH—One of the latest as well as hardest of the radishes. Pkt. 10c; oz. 15c; lb. \$1.50.

CALIFORNIA MAMMOTH—It is pure white, about one foot long and two or three inches through, tapering regularly to the tip. The flesh is tender and crisp, keeping well through the winter. Pkt. 10c; oz. 15c; lb. \$1.50.

WHITE ICICLE—The Icicle Radish is perfectly white in color and long and tapering in shape. It quickly grows to market size, is crisp and brittle, and of mild, sweet flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WHITE BOX RADISHES—Of fine globe shape, smooth, with very small tap roots, both skin and flesh white, very tender, mild and crisp. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.60.

CRIMSON GIANT—A variety extraordinary in that, while growing to an unusually large size, it is also tender, crisp and of mild flavor. Does not become pithy. Root turnip shaped, color, a beautiful crimson - carmine flesh firm, crisp and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

EARLY SCARLET TURNIP, White Tip—Of fine round shape; flesh pure white, and as a result of its quick growth, very crisp, mild and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

LONG BRIGHTEST SCARLET, White Tipped—One of the brightest scarlet radishes known. Roots mature in about 25 days from the time of planting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

CHARTIER SUMMER—The roots are about an inch in diameter and six inches long. Color a bright red, shading to a white tip;; flesh remarkably crisp and mild. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WINTER RADISHES

ROSE COLORED CHINA—Skin very smooth and of bright rose color; flesh firm, crisp and quite pungent. Pkt. 10c; oz. 15c; lb. \$1.50.

When the hens quit laying and chicks go to dying, write or telephone us. We have a remedy.

TOMATOES



BURPEE'S DWARF GIANT

Is much the largest fruited of all dwarf Tomatoes! The Tomatoes are truly gigantic in size, and continue to be uniformly large throughout the season. They are produced in clusters of four to six and weigh from ten to twenty ounces each. The color is a rich purple-crimson, and the depth of color is maintained throughout the entire fruit.

DWARF GIANT is the most meaty of all Tomatoes! The flesh is so firm and the Tomatoes are so heavy that they might be described almost "solid as a rock!" Burpee's Dwarf-Giant is the most nearly seedless of all Tomatoes. The firm, fine-grained flesh extends to the very center, with no trace whatever of a core.

BURPEE'S DWARF-GIANT is unequalled in delicious flavor! This is saying a great deal, but it is true. In rich, sweet flavor it surpasses even our famous Matchless and Trucker's Favorite, as well as its parent, Ponderosa. Fruits eaten raw, as an apple, gathered direct from the plant, show the freedom from acidity, while the lucious quality is most noticeable.

DWARF-GIANT is uniformly of compact, bush-like growth. While of the true dwarf type, the plants are very strong and vigorous. The cut-leaf foliage is dark green and heavy, almost like leather in texture. The new Dwarf-Giant is most productive and has only one fault: originated from a cross made between Dwarf Champion and Ponderosa, it naturally inherits the character of the latter parent to bear "ribbed" fruits. The Tomatoes are so solid, meaty, and of such delicious flavor, however, that for family gardens this can hardly be counted a serious fault.

BURPEE'S DWARF-GIANT is a midseason or main-crop Tomato. It ripens a week to ten days earlier than Ponderosa, and the plants continue to mature the superb "giant-solid" Tomatoes, in abundance until killed by frost. The fruits are so nearly "seedless" that seed selected strain will always be costly.

Pkt. 15c; ¼ oz. 40c; ½ oz. 70c; oz. \$1.20; ¼ lb. \$3.60; lb. \$12.00.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

Tomatoes--Continued

JUNE PINK—Ripens as early as Spark's Earliana. It is an enormous bearer, clusters of six to ten fruits being borne frequently. The fruit is of medium size, uniform, smooth and attractively shaped. It will average $2\frac{3}{4}$ to 3 inches in diameter and 2 to $2\frac{1}{2}$ inches in depth. In color it is a bright, pleasing pink.Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.35; lb. \$4.00.

PONDEROSA—Our seed is genuine, true stock. This is the largest and one of the most popular of all tomatoes. The vines are of strong growth; fruits oblong in form and generally ridged or ribbed; deep purple in color. They are solidly fleshy with small seed cells; of fine flavor. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$4.75.

SPARK'S EARLIANA — Coming into the market early, it commands top prices. It produces an abundance of remarkably solid fruit of uniform shape and rich, bright red color. The Tomatoes are borne in clusters and can generally all be gathered in about three weeks from the time the first fruit ripens. They are of good flavor and contain few seeds. Pkt. 10c; $\frac{1}{2}$ oz. 25c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

LIVINGSTON'S BEAUTY—Our special strain seed of this variety cannot be excelled. Of a very glowing crimson in color, with a tinge of purple. It attains its size later in the season than other good sorts. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

DWARF CHAMPION — Its stiff, upright stocks are so sturdy as to hold the fruit well above the soil. It is earlier than large sorts. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.

GENUINE STONE—The greatest canning tomato in the world. The largest bright red, perfectly smooth, highest yielding, best keeping finest flavored main crop variety in existence. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$3.25.



LIVINGSTON GLOBE—A very desirable Early purple, globe shaped Tomato; fruit borne in clusters of three to four and continues bearing until frost. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

JOHN BEAR—A new but very popular variety, both for home use and market; fruit large, round, red, smooth and solid. Try a packet with your next order. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75.

SMALL FRUITED TOMATOES—Excellent for preserves, pickles and pies, etc. Red Cherry, Yellow Plum, Red Pear Shaped, Yellow Cherry, Yellow Pear Shaped. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

We grow our own Cabbage, Tomato, Penner and Sweet Potato Plants.

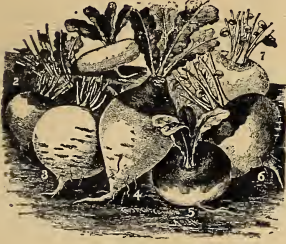
If the insects eat your Garden, Shrubs or Trees, write or telephone us. We have a preventive.

When the hens quit laying and chicks go to dying, write or telephone us. We have a remedy.

If in doubt what to plant and when to plant it, write or telephone us. We make it our business to know.

TURNIPS

SPRING AND SUMMER VARIETIES



EXTRA EARLY PURPLE TOP MILAN—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; leaves few, short and light color; grows compact and makes exceedingly small strap leaved top. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WHITE EGG—An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine and sweet. The roots of this quick growing garden sort when in best condition for use are usually about two inches in diameter and about three and one-half inches long. oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

PURPLE TOP STRAP LEAF—A well known variety, either for family or market use; large size; white-purple above ground; flesh fine-grained; grows quickly and is as good for winter use or late planting as it is early. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

RED TOP WHITE GLOBE—One of the handsomest and most profitable Turnips, unsurpassed for either home or market use. It is a large, rapid growing sort with globe-shaped roots, purple at the top and white underneath. It is of the same character and habit as the Purple Top Flat, but owing to its great size will produce twice as much to the acre.

Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

AMBER GLOBE—A medium sized, round, late maturing, yellow fleshed tur-

nip. The roots are yellow with purple top. The flesh is pale yellow in color, of very firm texture, approaching the Rutabaga in this regard, but tender and sweet. The variety is hardy, productive and especially valuable for stock feeding. Unequaled for its long keeping qualities and therefore particularly desirable for late winter and spring use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 81.00.

RUTABAGA

AMBER YELLOW PURPLE TOP—The most satisfactory variety for either family use or stock feeding. It is hardy, productive, sweet, solid and of fine quality. Keeps perfectly all winter and into the following spring. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

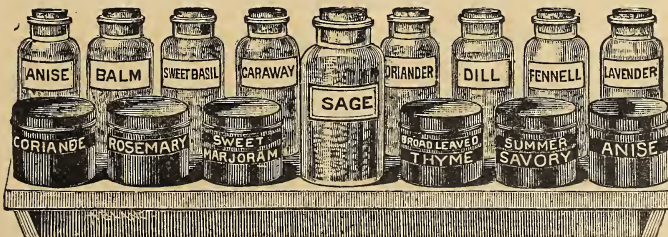
Tobacco Seed

The importance of this crop in many sections makes the use of the very best seed an urgent necessity. We feel safe in stating that the quality of seed offered below is absolutely unsurpassed.

CONNECTICUT SEED LEAF—A stocky plant; leaves not very long, but

a good width; suitable for cigar fillers. Grown all over the United States. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. 1.60.

MISSOURI BROAD LEAF—A well-known standard sort; very large yielder; an ideal sort for home use. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.60.



PACKETS OF ABOVE SEEDS 10 CENTS EACH

FLOWERS

TO GROW FLOWERS well the soil must be carefully prepared as for vegetables. Spade the beds to a good depth and make them rich with well-rotted manure, thoroughly mixed in. A small quantity of sand will greatly improve stiff, heavy clay. **Don't bury seeds.** Plant the largest, like Nasturtiums, not more than an inch deep, Balsams half an inch, Asters a quarter of an inch, Petunias, Poppies, etc., on the surface. Firm the soil over the seeds with a board and keep it constantly moist. Don't allow seedlings to crowd each other. Transplant in cloudy weather or in the evening and shade from the sun a day or two.

Flowers from Seed are usually known as **Annuals, Biennials and Perennials.**

Annuals bloom and ripen seed the first year and then perish.

Biennials do not generally flower the first season and are in perfection only one year.

Perennials continue to flower for several years in succession. Many of them bloom the first year if sown early.

Sweet Peas

SUPERB SPENCER SWEET PEA MIXTURE—This special mixture of Giant Spencer Sweet Peas is made from separate sorts, giving our customers the cream of the Spencers in all colors, including many of the latest varieties, as well as superb seedlings of exquisite colors and shades, which have not as yet been true enough to be introduced as new named sorts. The vigorous plants produce extremely large flowers, most beautifully waved and frilled, on long and erect stems. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

RAINBOW MIXTURE SWEET PEAS—In this mixture of Sweet Peas you will find many of the newest and most rare of the Spencer varieties as well as the best of the Grandiflora types. In all there are more than fifty varieties, colors and shades of colors. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

ASTERS

SEMPLE'S BRANCHING—A class of very strong growing Asters not coming into bloom until very late, but producing flowers so large, double, perfect in form, and borne on such long stems that florists sometimes sell them for chrysanthemums. Finest mixed, pkt. 10c; $\frac{1}{8}$ oz. 20c

KING ASTERS MIXED—A well-balanced mixture of several colors. Pkt. 10c.

CREGO'S GIANT MIXED ASTERS—The most beautiful of the newer types of American Branching Asters. The flowers are of immense size, usually measuring from four to five inches in diameter,

and borne on stems twelve inches or more in length. The petals of these charming; beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September. Pkt. 10c; $\frac{1}{8}$ oz. 30c.



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FORDHOOK FAVORITES—This Burpee-Blend is absolutely unequalled. For cut-flowers it will be found most desirable, as the American Double Asters are always borne upon long stems. The seed is not cheap California-grown, but has been all produced in New York state. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

COSMOS

NEW LARGE EARLY-FLOWERING. This new strain is very early and the flowers are twice as large as any early-flowering strain of Cosmos previously known.

FINEST MIXED—All "giant-flowered." Pkt. 5c.

Dahlias can be grown easily from seed, and flower beautifully the first season.

LARGE-FLOWERING DOUBLE or SHOW MIXED—Pkt. 5c.

DECORATIVE MIXED.—This type is admirably adapted for cut-flowers. Pkt. 10c.

EXTRA CHOICE LARGE DOUBLE—Saved from the finest double varieties. Packet 10c.

NASTURTIUMS

DWARF NASTURTIUMS

This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant large flowered sorts and the brilliantly colored flowers range through every shade and tint known in this favorite annual. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

TALL NASTURTIUMS

This superb mixture of tall or climbing Nasturtiums will surprise you with its great variety of different colored flowers and its profusion of bloom. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

We prepay Postage or Express on Bulbs, Garden and Flower Seeds, within the Fifth Zone.

PANSIES



BURPEE-BLEND OF GIANT-FLOW-ERED PANSIES—Is the very finest complete mixture of giant-flowered Pansies ever sent out. The plants are very free-flowering. The petals are of a thick,

AN EXCELLENT MIXTURE OF MAMMOTH or GIANT PANSIES — In this mixture of mammoth-flowering pansies the blossoms are borne on long stems well above the foliage and are distinguished for their gorgeous and varied colorings and beautiful markings, of fine velvety texture, perfect form and size, frequently measuring three inches in diameter. The colorings are wonderfully rich and varied; every shade and tint of rose, canary-yellow, black, white, cream, lavender, garnet, sky-blue and orange are produced in endless variation. An unequalled collection of all the finest types. Pkt. 10c; 3 pkts. 25c; 1-8 oz. \$1.00

LIBERTY PANSIES — The Liberty Pansies are noted for their most endless variations, which include striped, blotched, bordered, veined and marble combinations in every possible color and shade. The plants are of compact growth, the flower most profusely and continuously all summer. Pkt. 5c; 1-8 oz. 30c.

heavy substance, and in some flowers expand flat into circular blossoms of immense size; others have the edges frilled and folded in the most charming style. Pkt. 20c.

POPPIES

The California Poppy is a showy, free-flowering plant, of low-spreading growth, with finely divided foliage blooming throughout the season.

IMPROVED DOUBLE CARNATION MIXED—Of dazzling richness and variety of colors. Pkt. 5c; ¼ oz. 20c.

BURPEE'S FAIRY POPPIES—Superb seedlings of our famous Fairy Blush Poppy. Pure white, glowing scarlet, with white and black, rose and deep maroon. Pkt. 5c; oz. 35c.

THE SHIRLEY, RESELECTED—All who admire the delicate beauty of The Shirley Poppy will be delighted with this reselected strain of the finest colors. Pkt. 10c; oz. 40c.

PAPAVER NUDICAULE (Iceland Poppy)—This beautiful hardy perennial Poppy should have a place in every garden; the lovely white yellow, and orange-colored flowers are produced on long still stems, being most useful for cutting. Choicest Mixed, pkt. 10c.

Perennial Flower Seeds

PERENNIAL CHRYSANTHEMUMS

BURPEE'S NEW FORDHOOK Strain of EARLY FLOWERING SINGLE PERENNIAL CHRYSANTHEMUMS — The most beautiful of all hardy autumn flowers. Easily grown from seed, flowering the first season.

Seed may be sown in the open border

at the end of April or early May, and the plants will begin to bloom in September.

The colors range from pure white, blush, light and deep yellow, pink, rose, orange, terracotta, and old gold to crimson and purple shades, some having a distinct white disk around the yellow center. Pkt. 15c; 2 pkts. for 25c.

Perennial Flower Seeds--Con't.

SHASTA DAISY

MAXIMUM CHRYSANTHEMUM — This creation of Luther Burbank is sometimes called the "Giant White California Daisy." Flowers are produced freely after the first season. Pkt. 10c.

DIGITALIS

FOXGLOVE—Fine Mixed pkt. 5c.

3789 WHITE—A most handsome variety, the pure white flowers being shown off to great advantage by the dark-green

foliage. Occasionally the flowers come slightly spotted. Pkt. 5c.

CHATER'S DOUBLE HOLLYHOCKS

The magnificent long spikes are crowded with double flowers three to four inches across, and all of the brightest colors. One of the most desirable border plants.

Finest Mixed. Pkt. 10c.

Fine Double, Mixed. Pkt 5c.

Climbing Vines

MORNING GLORIES

IMPERIAL JAPANESE—These grand Morning Glories from Japan are remarkable for their large size and exquisite colors. Grow quickly to a height of 12 to 20 feet. They are of innumerable shades of blue, white, yellow, slate, copper, brown, almost black and often seven or eight colors and tints in one flower. Pkt. 5c.

CYPRESS VINE

This is a beautiful, rapidly growing annual climber, with delicate dark green finely cut fernlike foliage and masses of the most brilliant and graceful star-shaped flowers. The two shades, white and scarlet are very striking. Planted by the side of a verbena, tree or stake, and trained properly, nothing is prettier. Pkt. 5c.

BALSAM APPLE AND PEAR

Ornamental climber, with pretty foliage and flowers followed by handsome fruit, which when ripe burst open, exposing the bright red seeds within. Each variety, pkt. 5c.

DOLICHOS

HYACINTH BEAN—A splendid annual climber, with hyacinth-like clusters of purple and white flowers, which are followed by exceedingly ornamental seed pods. Rapid growth and stands Summer heat well. Sow seeds in May where the plants are to remain. Pkt. 5c.

MADEIRA VINE

Dormant Bulbs—A rapid climber with beautiful waxy foliage and graceful clusters of flowers of pure white and delicate fragrance. Very ornamental and useful for shading verandas, arbors, or covering unsightly sheds, stumps, etc. Good strong bulbs each 5c; 6 for 25c; per dozen 45c.

IMPERIAL JAPANESE

The flowers range from deep rich purple to pure silvery white.

Choice Mixed, pkt. 5c.

GOURDS

....SUGAR TROUGH — Often used for buckets. Pkt. 5c.

DISH CLOTH or CHINESE SPONGE —(Luffa). Pkt. 5c.

NEST EGG—Excellent for nest eggs. Pkt. 5c.

DIPPER GOURD—Used for dippers. Pkt. 5c.

MOON FLOWER

(*Impomoea Grandiflora Alba*). Will grow thirty to forty feet in a single season and be covered with its large white flowers every evening and cloudy day. The hard outer coat of the seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell, and the seed planted about 1 inch deep in moist soil in a box or pan and set in a warm place. If the soil is kept moist, germination will take place in about two weeks. After the plants are up, plant out doors in a sunny situation when danger from frost is past. Pkt. 5c.

WILD CUCUMBER

This is the quickest growing climber in our list. It will grow thirty feet in one season. It is thickly dotted with pretty white fragrant flowers, followed by an abundance of ornamental prickly seed-pods. Pkt. 5c.

SCARLET RUNNER BEAN

Ornamental climber. Bright scarlet spray of bloom followed by delicious edible beans. 6 for 5c.

THUNBERGIA, Black-eyed Susan)

Very elegant, slender-growing climbers. All colors Mixed, pkt. 5c.

CARDINAL CLIMBER

The vines attain a height of 20 to 30 feet. The leaves are deeply lacinated, resembling a fine Japanese Maple. Each plant bears countless numbers of glowing scarlet flowers which average 1½ inches in diameter. Pkt. 10c; 3 pkts. 25c.

Miscellaneous Flower Seeds

ALYSSUM

LITTLE GEM—We know of no other flower which is so particularly well adapted for border, ribbons, etc. The plants commence to bloom when quite small, and will flower all summer long until late in the fall. This habit with its fragrance, makes it indispensable. Pkt. 10c; $\frac{1}{8}$ oz. 20c.

New Half-Dwarf Antirrhinums

These half-dwarf varieties grow about twenty inches in height and produce magnificent spikes of flowers of the largest size. If seed is started indoors during early spring and plants set out in May, they begin to bloom in June and continue until hard frost. Pkt. 10c; 3 pkts. for 25c.

CLARKIA

Of branching growth and easy culture, very showy and profuse flowering. Very desirable for mass planting. **FINEST MIXED**, rosy purple, rose salmon, white etc., pkt. 5c.

CAMPANULA (Canterbury Bells)

This old-fashioned flower is a favorite with all. Stately and showy, and of the easiest growth. Hardy biennials.

PRIZE MIXTURE—An elegant mixture of all the finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10c; 2 pkts. 15c.

CARNATIONS—Marguerite

From seed sown in the garden early in the spring, the plants begin to bloom in about four months. They are quite hardy, flowering the first season until late in the fall, and will live out all winter if given protection. All Colors Mixed the finest strain, pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. \$1.00

CETAUREA CYANUS

BATCHELOR'S BUTTON—Very free blooming, hardy annual; also called Blue Bottle, Ragged Sailor, Korn Blume, etc. Pkt. 5c.

COLEUS

Probably the most popular of ornamental foliage plants. Leaves are of many shades of color and have a rich velvety appearance of extra ordinary beauty. Tender perennial.

FINE HYBRIDS—Mixed, extra choice pkt. 10c.

COSMOS

GIANT FLOWERED FANCY COSMOS—These gigantic flowers measure from $4\frac{1}{2}$ to 5 inches across, petals fringed, pink toothed and plain, and in colors from pure white through shades of pink and red to rich dark red. Pkt. 10c; $\frac{1}{8}$ oz. 30c.

DWARF EARLY-FLOWERING—Coming into flower in July, continuing until frost. Dwarf, compact growth—4 feet. Flowers beautiful and large; Petals broad; profuse bloomer. Pkt. 5c.

CHRYSANTHEMUMS

ANNUAL VARIETIES—Summer blooming border plants of compact, thrifty growth, 1 to $1\frac{1}{2}$ feet high, producing large blooms 2 inches across, from July until frost. They are partial to a little shade. Sow seed in the open where plants are to stand. Finest Mixed Colors, pkt. \$c.

CORNFLOWER

The Blue Bottle, or Batchelor Button is one of the most attractive of all hardy annuals; due to the graceful beauty of its old-fashioned flowers.

EMPEROR—Of a rich, deep blue color Pkt. 5c.

MIXED—Including dark and light blue pink, rose, white, etc. Pkt. 5c; oz. 25c.

CANDYTUFT

Candytuft will grow anywhere under all conditions and flowers all summer. Good for cut flowers and borders.

FINEST MIXED—White, carmine and crimson colors. Pkt. 10c; $\frac{1}{2}$ oz. 25c.

CANNA

Few people know these tropical plants can easily be grown from seed and bloom the first summer if sown before April. Pierce the seed in one spot with a file and soak in luke warm water for 24 hours before planting.

CROZY'S MIXED—Pkt. 10c; oz. 25c.

LARKSPUR

DOUBLE TALL ROCKET, MIXED—Produce beautiful spikes of double flowers in many shades. Hardy annual; one foot high. Pkt. 5c; oz. 15c.

LOBELIA

Elegant little plant of easy culture, completely covered with flowers from June until September.

ERINUS ERICTI—Blue and white mixed. Pkt. 10c; $\frac{1}{8}$ oz. 25c.

Miscellaneous Flowers -- Continued**MARIGOLD**

In autumn, when many bedding and other plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting; some of the varieties being elegantly striped and spotted.

SPECIAL MIXTURE TALL AFRICAN MARIGOLDS — Includes the best colors and is made up from separate sorts. Pkt. 5c; oz. 25c.

SPECIAL MIXTURE OF DWARF MARIGOLDS — These dwarf compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. This mixture is made of separate colors especially purchased for it. Pkt. 5c; ¼ oz. 25c.

LEMON and ORANGE-BALL — Enormous double flowered of intense rich orange. Pkt. 5c.

SALVIA

SPLENDENS — Georgous plants with numerous spikes of intensely vivid scarlet flowers ten to twelve inches in length. Continues to flower profusely all summer and fall. Easy of growth. The most popular Salvia in cultivation. Pkt. 10c; ⅛ oz. 40c.

SWEET SULTAN

CENTAUREA SUAVEOLENS — Yellow. Pkt. 5c.

FINEST MIXED. Pkt. 5c.

Easily Grown Annuals**ANNUAL DIANTHUS**

FORDHOOK FAVORITES—We have noted carefully the best varieties, including both large-flowered single and double sorts, of which we have made this special mixture. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

Fordhook Phlox Drummondii Grandiflora

It is composed of the finest and most distinct varieties and will give a most varied assortment of brilliant colors. Finest Mixed, pkt. 10c.

Burpee's Reselected Giant Mammoth Zinnias.

The blooms are of immense size, when well grown averaging three and one-half to four and one-half inches in diameter

MIGNONETTE

FORDHOOK FINEST MIXED — We have made a selection of the finest types, which we offer in this special mixture. Pkt. 5c; ½ oz. 30c; oz. 50c.

MYOSOTIS

FORGET-ME-NOT — A favorite old fashioned flower bearing in profusion clusters of blue blossoms. It thrives well in the shade or open border. Hardy perennial. Pkt. 10c; ¼ oz. 25c.

PETUNIA

For freedom of bloom, ease of culture and effectiveness, these rank with Asters, Phlox and Verbenas. Petunias will produce their handsome, sweet-scented flowers through the whole summer.

FINEST MIXED—Pkt. 10c; ⅛ oz. 25c.

PORTULACA

DOUBLE ROSE-FLOWERED, MXD—Is unsurpassed for brilliancy and beauty. Pkt. 10c; ¼ oz. 65c; oz. \$2.50.

STOCKS

The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

DWARF LIBERTY 10 WEEKS—Fine Mixed, Pkt. 10c; ⅛ oz. 30c.

VERBENA HYBRIDA

FORDHOOK FAMOUS—This Mammoth Verbena produces magnificent trusses in a wide range of colors. Pkt. 10c; ¼ oz. 40c; oz. \$1.50.

ITALIAN STRIPED—Striped flowers of many bright colors. Pkt. 5c; ¼ oz. 35c.

DWARF ZINNIAS

DOUBLE LILLIPUT — Compact bushes, bearing small, perfectly double, pompon-shaped flowers of the brightest colors. Pkt. 10c.

POMPON—The petals are piled in a systematic smooth cone, the deepest crimson. Pkt. 10c.

DOUBLE DWARF ZINNIA MEXICANA, Perfection Miniature—The plants average nine inches in height and two feet in diameter; cream-white, yellow, and deep orange, each petal being beautifully marked with chocolate and crimson blotches toward the center of the flower; other colors are reddish-brown, chocolate and crimson, these being tipped or edged with cream, yellow, or orange markings. Pkt. 10c; 3 pkts. 25c.

Annuals -- Continued

DWARF ZINNIAS—Cont.

BURPEE'S FORDHOOK STRAIN of Curled and Crested Zinnias—The petals are long, elegantly twisted and curled, giving the flower a most attractive, crested-like appearance, somewhat resembling a fine-petaled Cactus Dahlia in shape. The colors range from white through many shades of yellow, rose-pink, and salmon to deepest crimson. Pkt. 10c.

SWEET WILLIAM

A splendid old-fashioned plant, producing its large heads of beautifully colored sweet-scented flowers in great abundance. It is hardy, easily grown and flowers the second year from seed.

Double Fine Mixed, pkt. 10c; $\frac{1}{8}$ oz. 35.

Single Fine Mixed, pkt. 10c; $\frac{1}{4}$ oz. 15c.

GIANT DOUBLE DAISIES

BELLIS PERENNIS—A charming little plant for pots, edgings and borders. Sow the seeds very early and plants will bloom the first season and continue to bloom each season if given some protection during the winter. They do best in a rich soil and quite cool situation. Especially desirable for cemetery decoration. Pkt. 10c.

ESCHOLITZIA

CALIFORNIA POPPY—A bright free-blooming plant of low spreading growth with finely cut silvery foliage. Flowers yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain. Pkt. 5c; $\frac{1}{8}$ oz. 20c.

FOUR O'CLOCKS

MARVEL OF PERU—Well known annuals of easy culture. Mixed colors, pkt. 10c; $\frac{1}{2}$ oz. 20c.

GAILLARDIA

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture. Sow where they are to remain.

ANNUAL VARIETIES—Double Perfection. Mixed, pkt. 5c.

CARNATIONS

These popular flowers are easily grown from the seed, they begin blooming in a few months after sowing the seed. The large double flowers are sweet scented and beautifully fringed.

MARGUERITA FINEST MIXED — Pkt. 10c.

BALSAMS

An old time favorite with brilliant double flowers. Succeeds best in good rich loam. Height two feet.

DOUBLE CAMELLIA FLOWERED, MIXED—White, rose, pink, scarlet, etc., Pkt. 5c; $\frac{1}{8}$ oz. 20c.

CASTOR BEAN

Each plant makes a perfect pyramid of foliage fourteen feet tall, with gigantic leaves.

RICINUS ZANZIBARIENSIS, Mixed —Pkt. 10c; oz. 15c.

FOX GLOVE

DIGITALIS—An old-fashioned flower of stately growth; highly ornamental large cup-shaped flowers; height three feet. Mixed, pkt. 10c; $\frac{1}{8}$ oz. 20c.

EVERLASTINGS

These are mostly annuals with straw-like flowers that keep their form and color for years.

Mixed Colors—Pkt. 5c.

HOLYHOCK

Entirely different and more beautiful than the plant of twenty years ago, being much more compact in growth, flowers larger, more richly colored and the double varieties of better form. For a background to a flower garden nothing is better. Hardy perennial; five feet high.

DOUBLE FINE MIXED — Pkt. 10c; $\frac{1}{8}$ oz. 35c.

ANTHIRRINUM

SNAPDRAGON — They blossom the first year if seed is sown early. Slightly covered with leaves, they withstand our winters. One and one-half to two feet tall.

GIANT FLOWERED — Finest Mixed Colors. Pkt. 5c.

CALLIOPSIS

A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; foliage dainty, useful combined with other flowers. All sorts and colors mixed, pkt. 5c; $\frac{1}{2}$ oz. 30c.

CELOSIA, or COCKSCOMB

Very attractive annuals. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. Sow the seed directly in the garden or start early and transplant. Make fine pot plants.

COMB VARIETY—Finest Mixed colors, pkt. 10c; $\frac{1}{4}$ oz. 35c.

Summer Flowering Bulbs

CALADIUM, or Elephant's Ear



CALADIUM ESCULENTUM. These well-known Elephant's Ears are most effective both as single plants on the lawn, masses in beds, or for margins of water. The distinct, apron-like leaves often attain a length of three feet.

EXTRA LARGE BULBS— 25c each.

MEDIUM SIZE BULBS—15c each.

GLADIOLI

Superb flowers, embracing a wide range of colors from delicate shades of pink and primrose to deepest crimson and maroon, also striped and variegated. Best mixture, including all colors and shades, striped and variegated. Each 5c; dozen 50c.

TUBEROSE

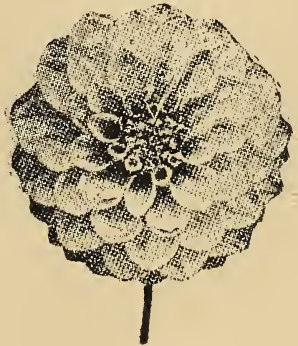
EXCELSIOR PEARL—This sort is distinguished by its short robust stem completely covered by large blossoms fully twice the size of the old tuberose and quite double. The flowers are very fragrant and of the purest waxy white color. Large selected bulbs, each 10c; 3 for 25c; per dozen 90c.

DAHLIA BULBS

Dahlies are as easy to grow from the bulbs or roots as a Sweet Potato. They should be planted after all danger of frost has past. They are one of the most rapid growing flowers we know, producing large clusters of main stalks from 2½ to 4 ft. high, each main stalk will produce dozens of branches with large, beautiful flowers from early in July until frost, often 6 to 8 inches in diameter.

There are three distinct species: the Show, Decorative and Cactus. Each specie producing different varieties and colors.

Having been Dahlia fanciers for many years, we have selected what we believe to be some of the choicest varieties, to offer our patrons for this season. Clusters of three bulbs each.



LARGE DARK RED CACTUS—Red white, pink, and yellow; showy and decorative. Any of the above, each 25c; 1 doz. either singly or assorted, \$2.50.

BRONZE LEAVED CANNAS

KING HUMBERT—In this grand Canna we have a combination of the highest type of flowers with the finest bronze foliage. Its flowers measure 6 inches in diameter, produced in gigantic trusses, a brilliant orange-scarlet with bright red markings; foliage broad and massive, of a rich coppery-bronze; 5 feet. Each 15c; dozen \$1.50.

YELLOW KING HUMBERT—In size and habit of growth this one is very much like the Red King Humbert, except that it has large yellow flowers. Each 15c; dozen \$1.50.

HUNGARIA—Rose pink flowers, foliage green; height about three and one-half feet. One that will be appreciated by every planter of Cannas. Each 15c; dozen \$1.50.

DUKE OF MARLBOROUGH—Foliage green, flowers a deep crimson, almost maroon, blooms throughout the season. Stalks not as tall as some other varieties, but a good bedding sort. Each 10c; dozen \$1.00.

CHAS HENDERSON—Vermillion red penciled, with yellow in the center; very large flowers, green foliage 3½ ft. high. Each 10c; dozen \$1.00.

FIELD SEEDS

SUBJECT TO CHANGE—At the time this catalogue goes to press, Feb. 1st, on account of unsettled market conditions on Field Seeds, we cannot guarantee the prices beyond thirty days, therefore we reserve the right to change any or all prices without notice.

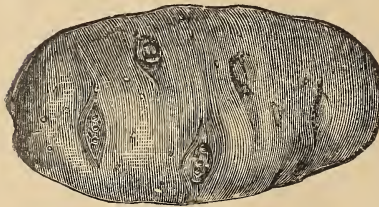
We do not pay freight on Field Seeds, Nursery Stock, or Plants. All prices named herein are net F. O. B. Joplin, and should be accompanied with remittance to cover the full amount of the order.

In common with other seed houses we have discontinued the use of the words bushels, pecks, quarts and pints. All Field Seeds listed in this catalogue are quoted by the pound, but for the convenience of those who have been accustomed to buying by measure, we have printed on the inside back cover, a table of Standard Weights and Measures.

OAKLEY-PATE SEED COMPANY

Potatoes

BLISS TRIUMPH—This variety has long been a favorite on account of its extreme earliness. Matures ten days to two weeks ahead of any other variety. Two crops often being raised in one season. Medium to large, round, light red, flesh white, mealy when cooked. 15 lbs. \$1.00; 60 lbs. \$3.75.



EARLY OHIO—Our stock of this well known variety is grown in the famous Red River Valley of the North. Tubers larger than most early varieties, very productive. 15 lbs. \$1.00; 60 lbs. \$3.75.

IRISH COBLER—This potato has grown in popularity faster than any other variety, is good for either early or late planting. Both the skin and meat is creamy white, a heavy yielder of large round smooth potatoes, uniform in size.

Good keeper. With all its good qualities, we believe this to be the most profitable variety for a main crop. 15 lbs. \$1.00; 60 lbs. \$3.75.

BURBANK—The most popular of all potatoes for winter use. Produces medium to large oblong, smooth white tubers; eyes very shallow. A good cooking variety. The Burbank is a good yielder, stands dry weather and is little affected by insects as any variety we know. 15 lbs. 90c; 60 lbs. \$3.50.

We endeavor to secure our seed from the most favorable producing sections of the country, and where potato diseases do not prevail.

SWEET POTATO SEEDS

NANCY HALL—Probably no other variety of Sweet Potato has become so popular in so short a time as the Nancy Hall. Its popularity is due to several reasons, chief of which is its great yield, fine flavor and certainty of always making a crop. Nancy Hall has a creamy pink skin, while the flesh is cream yellow, very sweet and firm. We recommend this variety in the fullest terms. 12 lbs. \$1.00; 50 lbs. \$3.75.

SOUTHERN QUEEN—A large white potato of good flavor, and a good yielder. 1 lb. 10c; 12 lbs. \$1.00; 50 lbs. \$3.75.

RED BERMUDA—This is the old standby as an early, quick maturing variety. The outside color is pinkish red, while the meat is creamy yellow. 1 lb. 10c; 12 lbs. \$1.00; 50 lbs. \$3.75.

YELLOW NANSEMOND—One of the best known of the yellow varieties. Very good flavor. 1 lb. 10c; 12 lbs. \$1.00; 50 lbs. \$3.75.

We are extensive growers of Sweet Potato Plants. Write for Prices.

Field Corn



GOLD MINE or MORTGAGE LIFTER—This variety is well and truly named a mortgage lifter. We have personally known of fields planted to this variety in the past that made 60 bushels to the acre when other varieties were failures. The ear is large, medium long, cob red with very long well filled, deep grains, maturing to the tip of the ears. 1 lb. 10c; 14 lbs. \$1.25; 56 lbs. \$4.50.

REID'S YELLOW DENT.—Medium to early, maturing in from 115 to 120 days. Stalks seven to eight feet high, ears large round and about 10 to 11 inches long. The grains are long, medium wide, slightly wedge shaped. A beautiful lemon yellow. 1 lb. 10c; 14 lbs. \$1.10; 56 lbs. \$4.00.

GOLDEN BEAUTY—Ears long, medium size, with short wide heavy yellow grain. Stalks 10 to 12 feet high, bearing in most cases two well developed golden yellow ears; a good feeding sort, either shelled off on the cob. Yields well even on moderately rich soil. 1 lb. 10c; 14 lbs. \$1.25; 56 lbs. \$4.50.

LIBERTY or CALICO—A good strain of an old variety, too well known to need description. 1 lb. 10c; 14 lbs. \$1.20; 56 lbs. \$4.25.

IOWA SILVER MINE—This has been a standard of white varieties among corn growers for many years. It is pure white, a good cropper; has a deep grain and a large ear; an abundance of foliage, and matures early. 1 lb. 10c; 14 lbs. \$1.10; 56 lbs. \$4.00.

BOON COUNTY WHITE—The most popular white dent corn. It has been very highly bred, ears large, stalks grow 10 to 12 feet with an abundance of fodder. Ears 10 to 12 inches long with small white cob. Matures in this locality in about 100 days 1 lb. 10c; 14 lbs. \$1.10; 56 lbs. \$4.00.

ST. CHARLES WHITE—Both stalk and ears only medium large, grains deep and broad; especially good for milling as well as feeding. On account of it having a heavy blade it is desirable for Fodder and Ensilage. 1 lb. 10c; 14 lbs. \$1.10; 56 lbs. \$4.00.



HICKORY KING

This White Field Corn has the largest grains, with the smallest cob, of any white corn; so large are the grains and so small the cob, that on an ear broken in half, a single grain will almost completely cover the cob section. Of strong growth, the stalks take a firm hold on the ground and stand upright. It yields splendid crops on light soil; frequently grows with two ears to the stalk. 1 lb. 15c; 14 lbs. \$1.30; 56 lbs. \$5.00.

BLACKHULL WHITE KAFFIR

Is the result of careful selection extending over a number of years, and which has produced a type of uniform dwarf growth. The plants range from $3\frac{1}{2}$ to 5 feet in height, depending somewhat on quality and condition of the soil and weather conditions. The heads are uniformly larger and of better shape than the older types of White Kaffir. 10 lbs. 75c; 100 lbs. \$6.00.

RED KAFFIR

The growth is taller than the white, stalks are more slender and juicy. The heads are long, compact and grow erect, frequently measuring $1\frac{1}{2}$ to 2 feet. The seed is red, somewhat smaller than that of the white; hard and brittle. Produces a good yield on poor land. Ripens a few days earlier than the white variety.

10 lbs. 70c; 100 lbs. \$5.50.

KANE

Can be sown either alone or mixed with cowpeas. Planted in drills $3\frac{1}{2}$ feet apart, use 3 to 5 pounds per acre, or about a bushel (50 lbs.) broadcasted for forage; if sown broadcast with peas use about $\frac{1}{2}$ bushel (25 lbs.) with one bushel of peas. It pays to fertilize sorghum heavily, the increased yield more than paying for the fertilizer. 1 lb. 15c; 10 lbs. 75c; 100 lbs. \$5.50.

EARLY AMBER

Early variety grown almost exclusively for forage crop either alone or broadcasted with peas. Fodder quality. 1 lb. 10c; 10 lbs. 75c; 100 lbs. \$5.50.

EARLY ORANGE

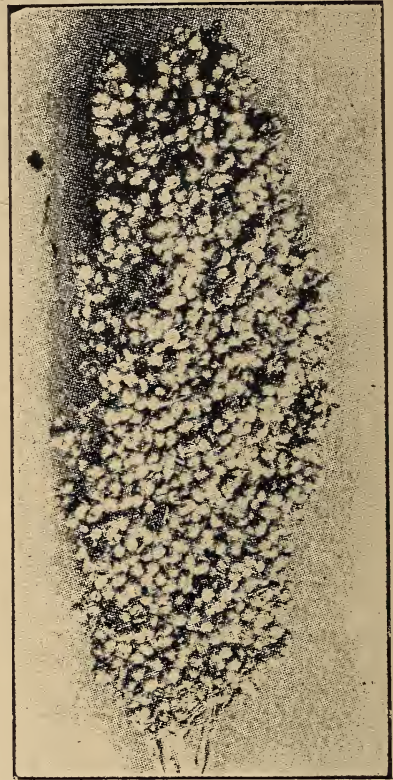
Larger than Amber, maturing ten days later, and largely grown for forage. Fodder quality. 1 lb. 10c; 10 lbs. 80c; 100 lbs. \$6.00.

TEXAS RIBBON

Especially adapted for use in making sorghum. 1 lb. 15c; 10 lbs. \$1.40; 100 lbs. \$12.00.

ORCHARD GRASS

One of the most valuable of all the cultivated grasses, blooming with Red



KAFFIR

Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Sow 28 pounds per acre. 1 lb. 40c; 100 lbs. \$35.00.

RED TOP or HERDS GRASS

Succeeds better on more soils than any other grass and in all sections of the United States. Grows slowly but becomes very vigorous later and spreads rapidly into a compact sod. Suitable to stiff soils and in low situations subject to overflow, producing luxuriant growth, attaining a height of 3 to $3\frac{1}{2}$ feet. For the best quality hay it should be cut when in bloom; ripens about the same as Timothy.....1 lb. 30c; 14 lbs. \$3.25; 100 lbs. \$25.00.

TIMOTHY

No grass is better known than this nor more generally grown, as it produces the best hay of all grasses. It produces good hay on almost any class of land, but in this section is best suited to bottom lands or good, rich, well-drained soil. It yields about 1½ to 2 tons of hay per acre which is always in demand. If used alone, sow one peck per acre. 1 lb. 25c; 100 lbs. \$20.00.

ALFALFA

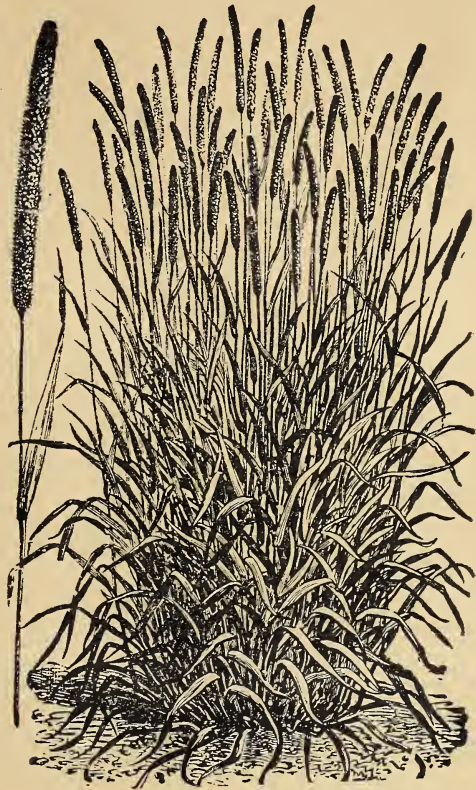
Alfalfa should be cut for hay when the shoots of the next crop appear at the base of the plants. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in the Spring, after danger from freezing the young plants is over, or in the Fall, early enough to give it a good stand before frost. The domestic acclimated seed we offer can be depended upon to give splendid satisfaction. 1 lb. 55c; 100 lbs. \$50.00.

RED CLOVER

While all kinds of Clover seed is higher this season than usual, they are the cheapest permanent Meadow and Pasture crops one can sow.

Often two crops or more may be cut in a single season. Clover pasture and hay are both good milk producers. There is no kind of a crop we know of that will reduce the cost of keeping cows more than a few acres sown to clover. It is also one of the best fertilizers one can put on land. Recent experiments have shown that a crop of clover plowed under is equal to 20 Tons of stable manure to the acre. Inasmuch as it serves three purposes: pasture, hay and fertilizer, one may readily see the value of this crop. We have three grades, all tested for purity and germination.

Best Grade, 1 lb. 65c; 100 lbs. \$62.00
No. 2 grade, 1 lb. 62c; 100 lbs. \$59.00
No. 3 grade, 1 lb. 59c; 100 lbs. \$56.00



WHITE CLOVER

A small headed white species, exceedingly desirable for mixing with lawn grass seeds. Although it is not a heavy producer, it is of great value for use in permanent pastures, as it affords a most nutritious food for sheep and cattle. This variety will succeed in almost any soil. About six pounds are sown to the acre. 1 lb. 90c; 100 lbs. \$85.00.

SWEET CLOVER

Sweet Clover resembles Alfalfa both as to appearance and habit of growth when young. It grows much larger than Alfalfa—often 4 to 6 feet high, and is a great drought resister. It makes a very vigorous growth and is much used to plow under as a green fertilizer. Is valuable in the bringing up of old waste and worn-out soils and thrives well even on extremely poor soil.

Sow from August 10 to September 30, and from January 15 to April 15, without nurse crops, at the rate of 10 to 20 lbs. per acre. 1 lb. 45c; 100 lbs. \$40.00.

THE SOJA or SOY BEAN

The Cow Pea and Soy Bean are nearly related and have many points in common, but there are certain characteristics which make the Soy Bean distinct. Very few varieties make a vine, but are of upright growth, although if grown on rich soil there is a tendency to lodge. The Soy Bean produces a much larger crop of seed than the Cow Pea, and this crop is easier to harvest. It can be sown rather earlier than the Cow Pea, and if sown at the same time, matures its seed earlier. If sowed in rows two and one-half feet apart, it requires one-half bushel of seed per acre; and if drilled in or broadcast, one and one-half bushels per acre. Seed can be sown in May, June, or July, but does best if sown rather early, and the seed should be covered lightly. 1 lb. 15c; 100 lbs. \$14.00.

Seed Pop Corn (Shelled)

SELECTED WHITE RICE—Our stock of this variety is choice, having been selected very carefully for many years. This variety is the best for popping; grains pointed; pops full and white; ears large sized, very handsome; productive; excellent quality; very crisp and delicious. $\frac{1}{2}$ lb. 15c; lb. 25c; 3 lbs. 65c postpaid. By express or freight: lb. 20c.

QUEEN'S GOLDEN—The largest sort; stalks grow 5 feet to 6 feet high, producing two to three large ears each. Pops perfectly white. The yield of this variety in ear corn to the acre is equal to any of the larger varieties, as it can be planted much closer than larger varieties of corn. $\frac{1}{2}$ lb. 15c; lb. 25c; 3 lbs. 65c, postpaid. By express or freight, lb. 20c.

POP CORN—The big paying crop. Why not give the boys and girls an opportunity to make some money. Let them have an odd half acre somewhere and plant it to pop corn.

Peanuts

Plant six to eight quarts of shelled nuts to the acre. The peanut does best in light, sandy soil. They should be planted in April, in rows three and one half feet apart and two feet apart in the row. Drop two or three good peas in each hill; cover about two inches.

TENNESSEE RED—The finest varieties grown; especially adapted to black, waxy land, as well as sandy soil. The nuts contain from two to four large kernels each and are enormously productive. Vines grow upright in bush form and are very desirable for hay. Pkt. 15c; 1 lb. 30c; 3 lbs. 75c.

JUMBO or VIRGINIA MAMMOTH—This variety grows to an astonishing size and does extremely well in our state. The giant nuts have thick, heavily ribbed shells. Pkt. 15c; 1 lb. 25c.

SPANISH PEANUTS—In addition to their value for growing for the nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature and very productive. In harvesting, the nuts hang to the vine, and tops and nuts are fed together to hogs, cows and horses as a whole grain ration. While the nuts are smaller, they are very much sweeter than the larger sorts. Pkt. 20c; lb. 35c; 3 lbs. 95c.



Cow Peas

WHIP-POOR-WILL PEAS

A bush variety, early and very generally planted both South and in the Middle West. The seed is more easily gathered on this variety than on the vine varieties, and owing to its maturing early this type is one of the best for late planting and growing between corn rows. Write for Prices.

NEW ERA PEAS

Two or three weeks earlier than Whip-poor-will, and make a heavier growth of vine. They are very popular in the North and West on account of their earliness. The seed is small, but a large amount of it is produced on the vines. Write for Prices.

BLACK EYE PEAS

Make a profitable crop for picking the dry Peas for sale in Winter but are of some value as a soil improver as the other varieties. Fancy re-cleaned seed. Write for prices.



SUDAN GRASS

The great drouth resisting forage crop

Sudan Grass was introduced from Egypt in 1909 by the U. S. Dept. of Agriculture, and has given great promise of becoming a valuable addition to our forage grasses, especially in some sections. It is believed to be the original type of our cultivated sorghums. All stock relish it, and no harmful effects have followed where it has been fed. Under favorable conditions, it grows from 7 to 9 feet, having luxuriant foliage and small stems. While thriving under dry conditions, excessive moisture will not harm it but is easily damaged by frost. Where growing conditions are favorable the stubble makes excellent green pasturage. In the South three or four cuttings are not uncommon. 1 lb. 25c; 3 lbs. 70c; 10 lbs. \$2.20; 100 lbs. \$20.00.

MILO MAIZE

This is one of the sorghums similar to Kaffir corn. Grows erect, with thick, close-jointed stalk. Height, 4 to 7 feet. Heads are very large, giving a heavy grain yield; is drouth resistant, and succeeds on alkali soil. Plant late when ground is warm, 3 to 6 pounds per acre. 1 lb. 10c; 100 lbs. \$6.00.

FETERITA

This is the most recent of the non-saccharine sorghums to command the attention of "dry farmers" on account of its wonderful yield and drouth resistant qualities, being 20 to 40 days earlier than Kaffir corn, and has given immense crops in the driest seasons without having received a drop of rain. Makes splendid fodder as well as giving a good grain yield. 1 lb. 10c; 100 lbs. \$6.50.

BROOM CORN—Dwarf Green

Grows from 4 to 5 feet high and makes straw of finest quality, being almost, if not entirely, free from crooked brush. 1 lb. 25c; 10 lbs. \$2.30.

LIBERTY MILLET

An improved variety yielding a larger crop than the common Millet. It is taller and has a larger seed. 1 lb. 10c; 100 lbs. \$7.50.

RAPE, DWARF ESSEX

One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up. Excellent pasture for all stock, and fine green feed for chickens. Thrives on all soils and is ready for use in six to eight weeks from time of sowing. Also valuable for plowing under. Sow same as turnips from May until September, or sow with rain. Use four pounds per acre in drills, eight pounds broadcast. 1 lb. 20c; 10 lbs. \$1.80; 100 lbs. \$17.00.

Texas Red Rust-Proof Seed Oats

On account of the poor quality of most of the Texas grown oats and the extremely high price of those that are good for seed, we did not buy the southern grown oats this season, but secured a good lot of local grown from the Texas Red Rust-proof seed last season. They have been well cleaned leaving only the well filled grains which show a splendid germination.

This lot, while it lasts, \$1.15 per bu.

Lawn Grass

Our Lawn Grass seed germinates quickly, roots deeply. It contains no annual grasses for making a quick show, to the detriment of a permanent lawn, but has only those which are lasting and hardy.

Quantities to Use.—One lb. for 400 sq. feet; 5 lbs. for 2,000 sq. ft.; 10 lbs. for 4,000 sq. ft.; 25 lbs. for 10,890 sq. ft. ($\frac{1}{4}$ acre); 34 lbs. for 14,550 sq. ft. (1-3 acre); 50 lbs. for 21,780 sq. ft. ($\frac{1}{2}$ acre); 100 lbs. for 43,560 sq. ft. (1 acre).

For Reseeding Old Lawns—Use about one-half the quantity given in above directions.

PERFECT LAWN GRASS SEED is the cheapest, as well as the best lawn grass seed offered. While 14 lbs. of lawn grass seed is usually considered a bushel this will weigh 20 lbs. to the bushel. Postpaid, lb. 55c; by express or freight, lb. 50c.

KENTUCKY BLUE GRASS

The universal pasture grass of America and the finest lawn grass in the world is our own Kentucky Blue Grass. It can be sown on the wild prairie and will catch, but the best results are to be had by getting the seed well covered. The seed we offer is strictly high grade, new crop, clean and pure. Postpaid, lb. 50c; by express or freight, 10 lbs. \$4.50.

BERMUDA GRASS

The habit of this grass is to set root at each joint that touches the ground, thereby forming a complete sod. Is decidedly a summer grass, as it does not start off until ground is thoroughly



warm in the spring, and turns to a buff color after killing frost in the fall. Lb. \$1.00.

JAPANESE BUCKWHEAT

The best sort for the West. It matures seed early, resists drouth better, and is more vigorous and hardy than the old sorts. The grains are almost again as large as the old sorts, and the yield is much larger. It should be sown about the first of July, broadcast, at the rate of one-half bushel per acre. This sort will yield on an average 20 bushels per acre. It quickly gathers moisture when left standing in the field, and for this reason should be threshed as soon as dry. Unequaled as a plant for bees.

\$6.50 per 100 lbs.

Apples

Large 2-year-old trees, 4 to 6 feet, each 65c; 10 for \$6.00.



WINESAPS

SUMMER VARIETIES

YELLOW TRANSPARENT — Best early market apple. Tree will bear at two and three years old.

EARLY HARVEST—Yellow, with sub-acid flavor, juicy and very desirable.

RED JUNE—Medium size, red, splendid flavor and good bearer.

MAIDEN BLUSH—A fine variety for home use and market, yellow with red cheek. Tree hardy and a good grower.

AUTUMN VARIETIES

YELLOW BELLFLOWER—Juicy and fine flavor.

WEALTHY—One of the most desirable varieties. It is gaining in popularity. Productive, dark red in color. Fall variety, but keeps well in cold storage.

DUCHESS — Russian variety. Tree hardy, vigorous and good bearer.

ROME BEAUTY — Large, with red stripes, tender and juicy. A fine variety for either home or market.

WINTER VARIETIES

BEN DAVIS—Too well known to need description.

McINTOSH RED—Dark red, best quality; juicy and refreshing. A good annual bearer of handsome fruit.

JONATHAN—One of the best commercial varieties, young and productive bearer.

WINESAP—Dark red, fine flavor.

MAMMOTH BLACK TWIG—Very large, flat shaped, dark red, good quality, valuable for market.

GANO—Of the Ben Davis type, large-red apple, hardy and a fine market apple.

ROME BEAUTY — Large, yellow, shaded with bright red; flesh yellowish, tender, juicy, sub-acid; moderate grower. November to February.

STAYMAN (Stayman's Winesap)—It is dark, rich red, with rather indistinct striping. This apple is not only larger than the old Winesap, but it is even juicier. The tree is very productive, and a drouth resister which will thrive on thin soils where the Winesap would soon starve.

DELICIOUS — Large, oblong, obtuse, conical, with characteristic protuberances about the calyx. Color dark brilliant red, blended golden yellow toward the tip. Quality exquisitely fine. Keeping and carrying qualities unsurpassed. Each 70c; 10 for \$6.50.

BALDWIN — Large, roundish, deep bright red; crisp; sub-acid, good flavor. Tree vigorous, upright and very productive of fair handsome fruit; one of the best and most popular winter apples. January to April.

GRIMES GOLDEN — Medium size; regular; rich, golden yellow; flesh yellow, firm, crisp, aromatic, rich; quality very best. Top-notch in market. Tree hardy and productive; bears early; blossoms late in spring, frost seldom catches them. One of the best sorts. November to January.

Apples--Continued

CRABS

Large 2-year-old, each 70c; 10 for \$6.50.

FLORENCE — Originated in Minnesota. The hardest of all. An early and profuse bearer; when in full fruit the most ornamental tree grown; larger and far superior to Transcendent. Ripens about the same time.

....TRANSCENDENT. — Medium large, oblate; golden yellow, with blush; flesh firm, crisp yellowish, fine grained, very juicy and acid; when ripe is edible. It

is generally grown all over the United States and is very popular for cider as well as jelly and preserves. Tree grows rapid and irregular; a great bearer; subject to blight and should not be planted near other apple trees. September.

HYSLOP—Almost as large as Early Strawberry Apple; deep crimson; very popular on account of its large size, beauty and hardness. Keeps well into the winter.

Peaches

Large 2-year-old Peach Trees, 4 to 6 feet, each 75c; 10 for \$7.00.

CRAWFORD EARLY—A magnificent, large yellow peach of good quality. Tree vigorous and very productive. Its fine size, beauty and productiveness make it one of the most popular sorts; no other variety has been so extensively planted.

CRAWFORD'S LATE (Late Crawford)—Fruit of large size; skin yellow, or greenish-yellow, with dull red cheek; flesh yellow. Tree vigorous, moderately productive; one of the finest late sorts. Last of September.

ELBERTA — Very large; red blush; flesh yellow with pale yellow, tender and juicy; the great market peach of the country. Rank, vigorous grower, does well in all peach growing sections. Middle of September.

HEATH CLING (White Heath Cling)—Originated in Maryland where it is much esteemed. Of large size and good quality.

PEARS

Large 2-year-old Pear Trees, 4 to 6 feet, each 75c; 10 for \$7.00.

BARTLETT—Large size, often with a beautiful blush next the sun; buttery, very juicy and high flavored. Tree a strong grower, bearing early and abundantly. Very popular. Last of August and first of September.

DUCHESS—Very large; greenish-yellow,

sometimes a little russeted. Makes a beautiful tree. Does best on quince. One of the best. October and November. Dwarf.

WINTER NELLY—Medium in size; best winter pears. Tree straggly, slender grower, but very productive. December. Standard.

PLUMS

Large 2-year-old Plum Trees, 4 to 6 feet, each 75c; 10 for \$7.00.

SHIPPER'S PRIDE—Large, dark purple; very showy, often measuring 2 inches in diameter; fine, juicy and sweet. September.

LOMBARD—Medium, round, oval, violet-red; juicy, pleasant and good; adheres to the stone. Tree vigorous and productive. Last of August. A valuable market variety; one of the most hardy and popular.

WILD GOOSE—An improved variety of the Chickasaw, evident in the great

vigor of the tree and increased size of the fruit which is nearly as large as the Green Gage. Skin purple, with a bloom; flesh juicy, sweet and adheres to the stone. Last of July.

DAMSON—Well-known and very productive. Season, September.

YELLOW EGG (White Magnum Bonum, White Egg Plum)—Fruit of the very largest size; skin yellow, with numerous white dots; flesh yellow, rather coarse, sub-acid; fine for cooking. Tree vigorous and productive. Last of August.

Cherries

Large 2-year-old trees, each \$1.10; 10 for \$10.00



EARLY RICHMOND—An early red, acid cherry; very valuable for cooking early in the season. Ripens through June. A free grower, hardy, healthy, and very productive.

LARGE MONTMORENCY—A beautiful, large, red, acid cherry; larger and finer than Early Richmond, and fully ten days later. Being extraordinarily prolific and very hardy; it can be recommended as a variety of great value for

canning and preserving. A free grower.

MORELLO ENGLISH—Large; dark red, nearly black, tender, juicy, acid, rich Dwarf and slender. August.

TARTARIAN — (Black Tartarian) — Very large, purplish-black, heart-shaped; flesh mild and sweet and quality considered the very best for the market and dessert. Tree is a vigorous, upright grower and immense bearer. July.

Grapes

Well-rooted 2-year-old vines, each 30c; 12 for \$3.00

CONCORD (Black)—The most popular grape in America. They grow in full clusters of large berries, with a thin skin, the flesh tender, sweet and juicy and the vines a vigorous grower. They are very hardy and productive and succeed everywhere.

NIAGARA (White)—This is possibly the most popular white grape in existence; the fruit is large and vines very productive.

MOORE'S EARLY BLACK—An extra large grape of extraordinary fine sweet flavor. Excellent for home use and one of the hardiest for the far North, ripening about two weeks ahead of the Concord. Berries of large size; succeeds everywhere. A fine market grape.

DELAWARE (Red)—One of the finest table grapes. Bunches not large, compact and well shouldered. Berries rather small, juicy and sweet, without any hard pulp; spicy.

Blackberries

10c Each; \$1.00 per Dozen; \$5.00 per 100.

EARLY HARVEST—Very prolific; ripens early. An unequaled variety for market.

ELDORADO—Large; black and do not turn red on exposure to sun; sweet and melting having no hard cores, and good keeper. Vines hardy and vigorous.

Gooseberries

GOOSEBERRIES ARE EASILY GROWN

Two-year-old, Each 30c; 12 for \$3.00.



Gooseberries — always in great demand by canneries and on markets — are sure croppers. They can be shipped long distances and they keep well. Often are planted between the rows of trees in a young orchard. Bear second and third year.

DOWNING — A popular variety with bushes that grow very stocky. Immensely productive of medium to large size, pale green fruits, about 50 per cent larger than Houghton.

HOUGHTON — A pale red Gooseberry of fine quality, medium sized and smooth. The bushes are very hardy, vigorous and productive. Especially fine for home use.

CURRENTS

Two-year-old, 30c Each; 10 for \$2.50.

FAY'S PROLIFIC — True to its name, it is very prolific, with fruit of very large size. Popular with most growers, and does particularly well on light soils.

RED DUTCH — An old, well known and popular red currant, with berries of medium size, dark red. A strong, tall, upright grower.

PERFECTION — A new variety of great merit. One of the best on the market, being productive, extremely large, and easy to pick. The flavor is very fine. In size it even exceeds the Fay. One of the most popular varieties having won medals and diplomas wherever placed on exhibition.

RASPBERRIES

Each 15c; 10 for \$1.25.

BLACK RASPBERRIES

CUMBERLAND — The largest Raspberry known; fruit frequently seven-eighths to fifteen-sevenths of an inch in diameter. Its immense size, firmness and great productiveness entitles it to first consideration; unusually strong grower, throwing up stout, stocky canes, perfectly hardy.

KANSAS — Very large; black; a berry of splendid quality for general use and popular on the market. In many sections it is the leading sort for extensive planting on account of its vigorous and healthy growth, and prolific bearing. Midseason.

ST. REGIS EVERBEARING RED RASPBERRY — Raspberries for four months. The new everbearing variety. It gives a crop of fruit all summer and autumn fruiting on the old canes in generous quantities until late in August. By this date berries begin to ripen on the young canes and continue until late in autumn. Berries are a bright crimson of large size, and of surpassing quality, rich, sugary with full raspberry flavor. It succeeds upon all soils, whether light and sandy or cold heavy clay and the canes are absolutely hardy. Each 20c; 10 for \$1.75.

DEWBERRIES

LUCRETIA — Large, jet black, highly favored and hardy; berries ripen before raspberries are gone, sweet and luscious throughout with no core. The best, most dependable and profitable of all Dewberries grown. The Lucretia Dewberry has received the highest praise from the

best horticulturists in the country. Each 15c; 100 for \$12.00.

LOGAN — The Logan berry is a hybrid between the raspberry and blackberry. Fruit as large as the largest blackberry and is produced in immense clusters. Each 20c; 10 for \$1.75; 100 for \$15.00.

Strawberries



THE SUPERB, A PERFECT EVER-BEARING STRAWBERRY—It has made good in both commercial and home garden plantings. There is a continuation of blooming, producing ripe fruit throughout the summer, if conditions are favorable. Following this is another blooming period in the late summer and a large crop follows until severe frosts come. Doz. 30c; 100 \$2.00; 1000 \$16.00.

SPRING BEARING VARIETIES

AROMA—The most profitable and dependable Strawberries grown. The flavor is deliciously aromatic and the flesh is firm and velvety, of a smooth solid texture. \$1.25 per 100; 1000 for \$10.50.

SENATOR DUNLAP—Large bright red; firm, splendid keeper and shipper; excellent quality; one of the best. 100, \$1.25; 1000 for \$10.50.

Hardy Monthly Blooming Roses

THE AMERICAN BEAUTY—Queen of the rose garden, our patriotic flower. Makes rapid growth, immense flowers. Blooms freely throughout the entire summer. Color deep red. Each 75c.

FRAU KARL DRUSCHKI (or White American Beauty) — This superb new white rose is of foreign origin and has only been recently introduced. It makes a rapid growth, is a hardy bush and an exceptional good bloomer of very large snow white flowers. Each 75c.

PAUL NEYRON—One of the largest of roses; deep shining rose color, double; very fragrant, frequent bloomer. Ea. 75c.

KILLARNEY—An exquisite shade of shell pink lightened with silvery pink; hardy and prolific. Each 75c.

BABY RAMBLER—Its large clusters of bright crimson flowers almost hide the

bushes the entire season; much smaller than other varieties of the ramblers, growing only about 18 inches high. Each 60c.

DOROTHY PERKINS—Polyanthus type, a beautiful shell pink; large double flowers. Each 75c.

CLIMBING AMERICAN BEAUTY—Rich crimson color, delightfully fragrant, free bloomer. Each 75c.

PRAIRIE QUEEN—This has been a favorite among our ancestors. One of the largest flowering of the climbers; pink, sometimes striped petals. Each 75c.

The above varieties are all 2-year-old field grown and will blossom the first season after being planted.

SHADE TREES

6 to 8 ft., \$1.00; 8 to 10 ft. \$1.50; 10 to 12 ft. \$2.50.

Catalpa Speciosa.
American Elm.
Maple, Soft.
Maple, Sugar.
Maple, Cut Leaf.
Caroline Poplar.

HARDY SHRUBS

Althea, pink and purple. Each 50c.
Althea, red or white. Each 50c.
Hydrangea. Each 50c.
Lilac. Each 60c.
Snowball. Each 50c.
Spiria. Each 50c.
Syringa. Each 75c.

FLOWERING VINES

Clematis.....Each 50c.
Honeysuckle. Each 50c.
Wistaria, white, 75c.
Wistaria, purple, 75c.

Devoe Insecticides and Fungicides

INSURE YOUR GARDEN AND ORCHARD AGAINST BUGS

Devoe Pure Paris Green

The Old Reliable, a strong effective poison for Potato Bugs, Tobacco and other leaf-eating insects. Can be applied either dry or in a solution of water. DEVOE—the strongest and brightest Paris Green on the market.

¼ lb. Cartons	per lb. 25c
½ lb. Cartons	per lb. 45c
1 lb. Cartons	per lb. 80c

Lime and Sulphur Solution

GUARANTEED TO TEST 33 DEGREE BEAUME
A FERTILIZER, A SHEEP DIP, A FUNGICIDE.

It is generally conceded that the best defense against SAN JOSE SCALE and kindred enemies of the orchard, is in spraying with a solution of Lime and Sulphur. The experimental stations and leading orchardists now generally recommend its use. To meet the growing demand for this remedy we are now supplying the trade with DEVOE LIME AND SULPHUR SOLUTION. The two are perfectly combined, thus securing the largest percentage possible of Sulphide of Sulphur, the only form of sulphur of value as a spray. It is clear, free from insoluble matter, highly condensed and of great strength.

¼ Gallon Cans	30c
½ Gallon Cans	55c
1 Gallon Cans	\$1.00
5 Gallon Kits	\$4.00

Devoe Bordeaux Mixture

Dry Powdered Form.

FUNGICIDE

DIRECTIONS FOR USE

TO CONTROL SCALE AND BLIGHT—For all Fungous diseases. The best Fungicide for curing or preventing Bloch, Rot, Mildew, Blight, Leaf Curl, Scab or other Fungous diseases on fruit and plants, if used dry.

For Potatoes, dust without reduction, 4 to 5 pounds per acre (according to size of vines).

For Fruit Trees, dust after reducing one pound of DRY BORDEAUX with 20 lbs. of lime dust.

For Spray: To make the equivalent of 4-4-50 mixture, use eight pounds of DRY BORDEAUX MIXTURE to 50 gallons of water. For 5-5-50 mixture, use 10 pounds to fifty gallons of water.

1 lb. Cartons.....	30c	5 lb. Cartons	\$1.25
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Devoe Arsenate of Lead

Dry Powdered Form.

THE PERFECT INSECTICIDE. An effective insecticide for leaf-eating insects and particularly suitable for very tender foliage. Due to the light, fluffy character of this material and its adhesive qualities it insures quick and effective control. Under favorable conditions will not injure the foliage. Can be used on Apple, Pear, Peach and Plum trees, Potatoes, Corn and Vegetables of all kinds that may be attacked by leaf-eating insects.

½ lb. Cartons 35c

1 lb. Cartons 60c

5 lb. Cartons \$2.75

Devoe Calcium Arsenate

Dry Powdered Form.

FOR THE CONTROL OF POTATO BUGS. Calcium Arsenate is a lighter, more fluffy powder than Arsenate of Lead or Paris Green—more bulky. When used dry, will dust more plants per pound, and when mixed with water will stay in suspension better and give you better and more uniform distribution. Lead Oxide in Arsenate of Lead has no insecticide or fungicide value; but Calcium Arsenate is made on a lime base which has fungicide value. Lime adheres perfectly to foliage; will not wash off easily and is white. For protection against the potato beetle, cabbage and tobacco worms.

½ lb. Cartons 30c

1 lb. Cartons 50c

Devoe "Sure Noxem"

Dry Powdered Form.

INSECTICIDE—TO MOST LEAF-EATING INSECTS

One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects.

WHAT TO USE IT ON.

Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attacked by Leaf-eating insects.

1 lb Sifter Top Cartons 15c

5 lb. Packages 60c



The Hudson Perfection

For an all around, general purpose sprayer of the compressed air type, and one which will do any work and do it well, there is none to compare with the PERFECTION. It is used in the orchards and gardens, in the stockyards and barns, in the foundry or in the tobacco plant, in fact wherever there is need for a sprayer.

It is light, strong and efficient. Simple in construction and nothing to get out of order, it will last for years. It is furnished with an all brass pump with a brass check valve which is positive so that there is no back pressure. The tank is made of galvanized or brass sheets, machine cut and formed, and side and end seams are soldered and riveted. This makes a much stronger tank than rolling or soldering the seams. Automatic shut-off nozzle operates perfectly at all pressures.

No. 110-G galvanized tank.....\$7.50

No. 110-B all brass10.50

THE HUDSON FAVORITE

The Favorite Sprayer is a handy little outfit for the small gardener. It is a compressed air sprayer, built somewhat along the lines of the Perfection, but smaller and lighter, and consequently less durable. It is made with an all brass pump with brass check valve, and with a 3½ gallon galvanized supply tank. Side seams are riveted and soldered to increase the strength. It is a sprayer for all kinds of work, and will make the user a satisfied customer.

No. 210 Favorite, galvanized tank..... \$6.00

THE HUDSON MODOC

For the man who wants a Bucket Pump which can be used for a variety of purposes, the MODOC will suit him perfectly. It is a double acting pump in which all the work is done on the down stroke and is very easy to operate. Will develop 150

pounds nozzle pressure, making it effective for white-wash, disinfectants, general orchard and garden spraying, washing buggies or automobiles, or as a fire pump in an emergency. It is made of brass throughout, with brass ball valves and heavy strainer easily removed for cleaning, etc., and will give long life in even the most strenuous service. No. 122 Modoc Bucket Pump.....\$6.00

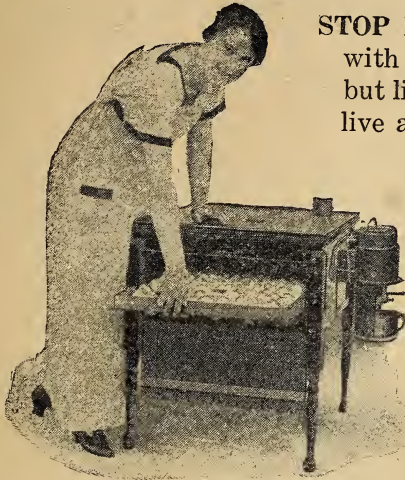


THE HUDSON BARREL PUMP

This outfit will meet every requirement of a perpendicular barrel pump. It is light in weight, powerful, and durable in construction, and will develop better than 200 pounds pressure under ordinary working conditions. It has ample capacity for two lines of hose if desired.

Pump cylinder is seamless brass, 1¼ in. diameter, 7 in. long. Air chamber is high carbon steel 2 in. diameter, 30 in. long, giving the pump great elasticity under pressure. Valves are large brass balls, both mounted in one cage for convenience in cleaning. They are protected by a heavy brass screen from any foreign substance in the material. Agitator is swinging type, making a full sweep of the barrel with each motion of the handle, so that the solution is always well mixed and uniform. Pump piston is packed with specially treated candle wick packing, which is far superior to leather for this purpose, and wear can be taken up instantly. Fitted with 15 feet of ¼ in. spray hose, Fog Nozzle, Leakless shut-off and an 8 foot Iron pipe Extension pipe. No. 4-A Barrel Outfit, \$15.50.

Queen Incubators



STOP HATCHING WEAK CHICKS!

with cheap incubators. A Queen costs but little more, and the extra chicks that live and grow soon pay the difference.

Remember, it is not how many chicks you hatch that counts, but how many you raise. Chicks that hatch out weak and wobbly, and live but a few days, mean nothing to you but trouble and loss. They make one sick of the poultry business.

Most of the chicks you lose in the first few weeks die because they did not have, when hatched, enough strength or vitality for a good start.

QUEEN CHICKS LIVE AND GROW

Queen Incubators are famous the country over for big hatches of strong, healthy chicks that live and grow. The Queen is accurately regulated, keeping the temperature just right for the hatching chick. No hot and cold changes to weaken the chick's system. The Queen is properly insulated—two layers of wood and one of corrugated strawboard, with dead air space. This also helps to maintain an even temperature for the entire hatching period. Both Queen walls are built of genuine California Redwood, which is unusual in these days of imitation and cheap substitution.

Redwood does not absorb the odor from the hatching eggs. Cheaper woods, and pasteboard lining in iron and tin machines, retain odors, to weaken and kill the hatching chick.

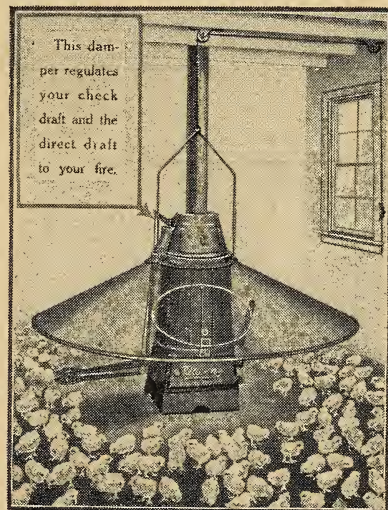
Queen Brooder Stoves

The Queen Brooder Stove is just what is needed to keep the house comfortable for the early chicks. It is the only Brooder Stove in which both fire and amount of heat are automatically controlled by one thermostat, and one connecting rod.

Damper indicated by arrow regulates the check draft and the direct draft to the fire. Gas controlled above deflector. No gas can escape below to injure chicks. Hover is collapsible, made in sections, and easy to put together and take apart. Holds enough coal to last 40 to 48 hours.

Queen Brooder Stoves

No. 1, 600 chick	\$19.75
No. 2, 1200 chicks	\$24.75



QUEEN LINE, Style K Incubators.

No. 0, 65 egg,	\$15.00	No. 21, 130 egg	\$27.50
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QUEEN INCUBATORS

No. 1, 85 egg	\$25.00	No. 3, 180 egg	\$39.50
No. 2, 135 egg	\$34.00	No. 4, 275 egg	\$49.50

Poultry and Stock Feed Supplies

OAKLEY-PATE SEED CO.'S MIXED HEN FEED

is composed of sound, wholesome corn chops, oats, Kaffir corn, cane and wheat, all fanned and screened so that there is no waste in feeding. 100 lbs. \$4.00; 50 lbs. \$2.05; 10 lbs. 45c.

OAKLEY-PATE SEED CO.'S MEAT AND MILK MASH

makes hens lay more eggs, a thirty day trial, fed according to directions will convince the most skeptical.

Grain feeds alone do not have enough albumen producing element. Scientific feeding tests have proven that a mash high in protein is absolutely necessary to make the whites of an egg.

In making this mash we have endeavored to supply a long felt want of both the commercial and back yard poultry raiser, combining and thoroughly blending the necessary ingredients to make more eggs. Composed of meat scrap, dried buttermilk, old process linseed meal, corn feed meal, shorts and bran, etc. Analysis at the experimental station: Protein 19.64% Fa; 6.20% Fiber. 8 1-3 lbs. 45c; 21 lbs. \$1.00; 50 lbs. \$2.15; 100 lbs. \$4.25.

BABY CHICK SCRATCH FEED

A mixture of Millet, Charcoal, Recleaned Grains, ground fine. This should be fed after the chicks are about two weeks old. 8 1-3 lb. sack 45c; 50 lbs. \$2.35; 100 lbs. \$4.50.

OLD PROCESS LINSEED MEAL.

This is pure recleaned Flax Seed ground fine. A good stock and poultry regulator and a splendid milk producer. 100 lbs. \$5.50; smaller quantities 6c per lb.

ALFALFA MEAL

A good substitute for green feed in winter. 100 lbs. \$2.50; smaller quantities 3c per lb.

GRANULATED CHARCOAL

Medium and Fine, for hens and baby chicks. Should be kept before chickens and hogs all the time. Original sacks of 50 lbs. \$2.50; smaller quantities 6c per lb.

CRUSHED POULTRY SHELL

Trimmings from the button factories, contains lime to make the shells of eggs. Prevents hens laying soft shelled eggs. 100 lbs. \$1.50; 50 lbs. 85c; smaller quantities 2c per lb.

CHAMPION LEG BANDS

Made of Aluminum, three inches long and numbered. Adjustable to fit any size chicken. Doz. 15c; 00 \$1.00.

POULTRY PUNCH

Good quality spring steele, used for marking baby chicks in the webb of the foot, or rabbits in their ears. Light enough to carry on a key ring. Each 30c.

Blatchford's CALF MEAL

FIRST ON THE MARKET—FIRST IN QUALITY
—FIRST IN RESULTS



BLATCHFORD'S Calf Meal is the ORIGINAL milk-substitute. It was the FIRST on the market. For over a third of a century it has been most successfully used in raising calves by the most progressive farmers and dairymen in this country. It is the ONLY calf meal backed by so remarkable a record.

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will PAY you to use it.

Sold in 100, 50 and 25-pound bags. Satisfaction guaranteed with every bag.

Blatchford's PIG MEAL

Carries Pigs Safely Through the Critical Weaning Period

The smooth, soluble meal is in composition as near like the sow's milk as it is possible to get it. It contains just the right percentage of vegetable protein, fat, etc., in correctly diversified form to grow bone and muscle. Little pigs relish it and thrive upon it. It "makes the runts catch up."



A trial will convince you that it is to your advantage to use this economical milk-equal. Sold in 100, 50 and 25 lb. bags. Satisfaction guaranteed.

Blatchford's RABBIT MEAL

Solves the Rabbit-Feeding Problem.

This inexpensive milk-substitute feed contains all the nutritive elements the rabbit requires for proper development and growth. It will put your rabbits in condition and keep them so.

Always feed it to your weanlings, to growing stock, to nursing does and stud bucks. Nothing on the market to equal it—the most economical feed you can buy.

Sold in 5-lb. packages, 100 and 25 lb. bags. Contains no drugs or tonics.

Blatchford's LAMB MEAL

Weans Lambs Quickly—Makes Sturdy Youngsters.

This nourishing milk-equal weans lambs properly and produces rapid growth. It is easily assimilated by the tender stomach of the young lamb. It contains all the elements found in natural milk, including oil, sugar and albuminous compounds in correct proportions and in the most digestible form for lambs.

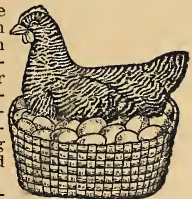
Lambs of every breed can be raised upon it. It matures them rapidly, prevents scours, and avoids the usual setback in the change from the ewe's milk to ordinary feed. It successfully solves the problem of what to do with orphan lambs.

Sold in 100, 50 and 25 pound bags. Guaranteed satisfactory.

Blatchford's "Fill-the-Basket" EGG MASH

Blatchford's "Fill-the-Basket" Egg Mash supplies the hen with the surplus nourishment she requires for maximum egg production. It successfully solves the problem of securing eggs both winter and summer.

Sold in 100 and 25-pound bags. Every bag guaranteed to give satisfaction.



TRADE-MARK
Registered

Pratts Baby Chick Food

Poultry Remedies

:: A Guaranteed PRATT Remedy for Most Poultry Diseases ::

Healthy birds and lots of eggs, two big things in poultry raising, are made certain by giving

PRATT'S POULTRY REGULATOR

100 lb. bags, \$10.00; 25 lb. pail, \$3.00; 12 lb. pail, \$1.75; Packages 30c and 60c.

It builds up vitality, insures sound digestion, sharpens appetite and prevents disease, thus putting birds into condition for heavy egg laying or winning blue ribbons.

PRATT'S is the original Poultry Regulator of America and is in use by the most successful poultry raisers everywhere. When regularly used, hens lay throughout the year.

It will prevent cholera, gapes, roup rheumatism, expel worms, prevent leg weakness and egg eating. It will greatly improve turkeys, geese, ducks, pignons and guineas, insuring quick growth and keeping them free from disease.

Roup is the alert foe of poultry. Its ravages can be prevented and complete protection given your flocks by using

PRATT'S Roup Remedy

(Tablets or Powder)

Its healing properties are quickly taken into the system purifying the blood and killing the roup germs. It not only cures, but tones up and restores the birds to vigorous health. It is the one remedy for genuine Roup as well as colds and similar diseases.

30c, 60c and \$1.20

When hens are not laying, look for lice. These pests cost poultrymen many dollars.

PRATT'S Powdered Lice Killer



sprinkled on hens, in nests, dustbaths, etc., will quickly clean up the poultry house. Non-poisonous; non-irritating; non-explosive. In sifting top boxes.

An unequalled powder for killing lice on horses, cattle, hogs, dogs and cats. Destroys moths, insects and bugs in houses, stables and barns. Safe and effective for killing plant-eating insects.

30c and 60c.

Keep disease away from poultry. Kill lice and mites. Disinfect the poultry house with

PRATT'S Poultry Disinfectant

1 qt. 60c; 2 qts. \$1.00; 1 gal. \$1.75; 5 gal. \$7.50; 10 gal. \$13.50.

Pratt's White Diarrhoea Remedy, 30c and 60c.

Pratt's Chicken Cholera Remedy, 30c and 60c.



TO START CHICKS RIGHT START THEM WITH

PRATT'S BABY CHICK Buttermilk Food.

Remember that little chicks are really babies and cannot digest heavy food.

The first three weeks they must have carefully prepared ration—perfectly balanced and just suited to the delicate digestive organs.

Pratt's Baby Chick Food is scientifically prepared. It contains all the food elements the baby chick needs to make him grow quickly and strong—bone, muscle and feather builders in just exactly the right proportion. It imparts the nourishment that promotes health and prevents disease. 30c and 60c packages; 14 lb. sacks \$1.35; 25 lbs. \$2.25; 50 lbs. \$4.25; 100 lbs. \$8.00



The time to save baby chicks from white diarrhoea, the most deadly of all chick diseases, is before they get it. Begin with the first drink of water, as soon as they are hatched, and use

PRATT'S White Diarrhoea Remedy

Remember the germs are in the chicks when hatched, being transmitted from the egg. Keep the germs from becoming active by using this remedy.

30c and 60c.

Pratt's Condition Tablets, 30c, 60c.

Pratt's Bronchitis Remedy, 30c, 60c.

Pratt's Gape Remedy, 30c, 60c.

Pratt's Sore-Head Chicken-Pox Remedy, 30c, 60c.



Pratts

ANIMAL REGULATOR COW REMEDY VETERINARY REMEDIES



More work out of your horses, more milk from your cows, fatter hogs — these are a few of the benefits which come from using

PRATT'S Animal Regulator

This is the original and pioneer stock regulator of America.

Tested thoroughly for nearly half a century, its worth is known and recognized by stock owners the world over. Always sold on a guarantee that it will satisfy you or your money back.

To quickly rid your stock of these pests use

PRATT'S Worm Powder

Specially prepared for destruction of worms in horses, cows, hogs and sheep. Has a strong tonic effect that builds up and helps the animal to regain strength. Unquestionably the quickest, surest and most thorough worm-destroyer procurable.



A positive remedy in all cases—

PRATT'S Veterinary Colic Remedy

cannot be excelled. Equally effective in all cases of flatulent colic (sometimes called bloat), spasmodic colic, gas colic, kidney colic; and acute indigestion. Its action is quick, and a cure certain.

75c and \$1.50.



Injuries of any kind are healed naturally and permanently and pain quickly relieved by applying

PRATT'S Healing Ointment 30c and 60c

Sores, cuts, scratches, wounds, burns, scalds, barb wire cuts, as well as skin eruptions, eczema and itching are quickly cured. Corns, harness and saddle galls disappear in short order.

Keep your cows healthy while forcing milk production, without increased cost for feeding or care by giving them

PRATT'S Cow Remedy

60c and \$1.20

Also sold in 12-lb. tins at \$2.75, and 25-lb tins at \$5.00.



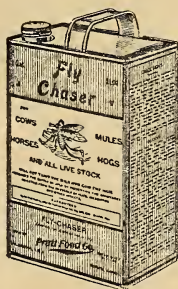
Insures healthy appetite, good digestion, increased vigor, greater milk production. Prevents and cures contagious abortion and other profit-destroying diseases.

As a dip, spray and highly superior germ destroyer and deodorizer for home and farm, use

PRATT'S Dip and Disinfectant

Prevents contagion, destroys disease germs, unpleasant odors, and insures healthy and sanitary conditions for horses, cattle, hogs, sheep and poultry.

Quarts 60c; half gallon \$1.00 gallon \$1.75.



Give comfort to horses, cows and all other live stock in fly time by spraying them with

PRATT'S FLY CHASER

It is guaranteed to be unequalled as a fly repellent. It has long efficiency, will not blister, remove the hair or damage the hide. Insures comfort at milking time for the cow and safety for the milker. Does not taint the milk or gum the hair.

Quarts 50c; half gallon 90c; gallon \$1.50; 5 gal. \$6.50; 10 gal. \$12.00.

Pratt's Distemper and Pink Eye Remedy, 60c bottles.

Pratt's Healing Powder, 30c.

Pratt's Heave, Cough and Cold Remedy, 60c.

Pratt's Bag Ointment (for cows), 55c.

Pratt's Hog Tonic—packages 60c and \$1.20; 100 lb. bags \$10.00.



CARBOLA

Makes it easier to do work that must be done

is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic—harmless to the smallest chick or to a stock that licks a painted surface. It kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that effect poultry and livestock—roup, white diarrhoea, cholera, glanders, contagious abortion and others familiar to all farmers and stockmen.

CARBOLA is turned into a smooth-spreading liquid paint simply by mixing with water. There is no waiting, straining or bother. It can be applied to wood, brick, stone or cement surfaces or over whitewash, with either a brush or spray pump. It will not clog the sprayer and does not flake, blister or peel off like whitewash. It dries a clear, snow white, and one gallon—less than 10c worth of powder, paints and disinfects 200 square feet of surface at one operation. It does not spoil by standing and has no disagreeable odor to taint milk or feed products.

CARBOLA will make your buildings lighter and sweet-smelling—put them in the cleanly sanitary shape they must be if you expect the best production from your stock.

USE IT INSTEAD OF WHITEWASH OR DISINFECTANTS

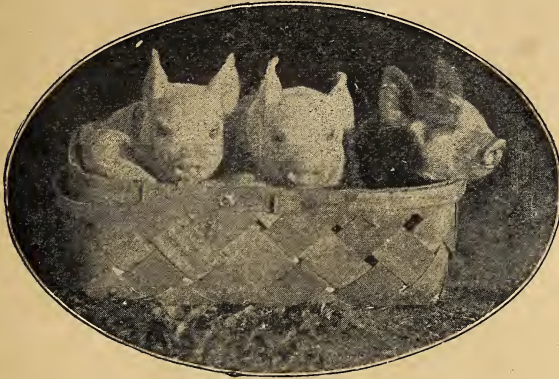
in poultry houses, stables, cellars, hog pens, factory and outbuildings. **CARBOLA** is used and endorsed by thousands of poultry, dairy and breeding farms in all parts of the country and by many experiment stations and agricultural schools. You can get Carbola from your hardware, seed, drug, or paint dealer.

Ten lbs. (10 gals.)	\$1.00
Twenty lbs. (20 gals.)	2.00
Fifty lbs. (50 gals.)	4.50

Trial Package and Booklet for 25c prepaid.

SWIFT'S DIGESTER TANKAGE

Guaranteed 60% Protein.



Most economical High
Protein Feed on the
Market.

Shortens the Feeding
Period and Saves
your grain ration.

"MAKES PIGS H-O-G-S"

Established and past experimental stage. Tried! Tested! and found satisfactory by Experiment Stations and large hog raisers—That's the history of **DIGESTER TANKAGE**—12 years of experimenting has perfected a product **HIGH IN PROTEIN AND PHOSPHATES**. One that grows **BIG BONED HOGS, RUGGED HOGS, and MARKET TOPPERS!** 100 lbs. \$6.00; Ton lots 10c per 100 lbs. less.

SWIFT'S MEAT SCRAPS.

"HENS THAT LAY ARE HENS THAT
P-A-Y!"

Supply Protein and Phosphates in proper proportion for economical growth and egg production.

Feed **MEAT SCRAPS** and take your place among **SUCCESSFUL Poultry Raisers**.

100 lbs. \$6.50; 50 lbs. \$3.35; smaller quantities 7c per lb.

SWIFT'S POULTRY BONE.

In four sizes

Coarse, Medium, Chick, Meal— 25% Protein, 2% Fat, 50% Phosphate.

100 lbs. \$5.00; 50 lbs. \$2.60; smaller quantities 6c per lb.



SWIFT'S BLOOD FLOUR— —SWIFT'S BLOOD MEAL

80% Protein

80% Protein

100 lbs. \$7.50; 50 lbs. \$3.80; smaller quantities 8c per lb.

Send us your orders, we carry a full line of Swift's Animal and Poultry Feed.

STONEWARE AND FLOWER POTS

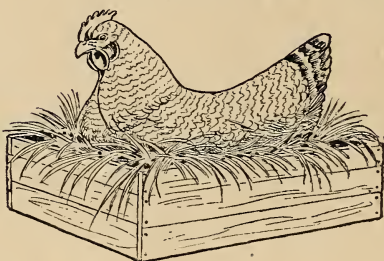
On account of buying several carloads of Stoneware annually, direct from one of the largest factories in the Middle West, we not only get a good quality of ware, but are enabled to offer to our patrons a good assortment at the lowest prices. When in need of any of these items, call on or write us.

BUTTER JARS
MILK CROCKS
STONE CHURNS
LIDS and DASHERS
SUGAR JARS
JUGS
WATER JARS

LIDS and FAUCETS
FLOWER POTS
HANGING BASKETS
BULB PANS and
DISHES
JARDINIERS
VASES

SPITTOONS
DRINKING
FOUNTAINS
FOR POULTRY
BOWLS and
PITCHERS
COMBINETTS

Stone Jars, all sizes from one half gallon to forty gallons.



Pack Eggs in Stoneware Jars

During April, May, June, July, August and September

Government Recipe for Preserving Eggs for Home Use

KIND OF EGGS—Fresh and clean. Do not use eggs that float. When eggs are slightly soiled remove such stains with a cloth dampened with vinegar. Do not pack dirty eggs under any circumstances.

WATER GLASS METHOD—1 Qt. Sodium Silicate (WaterGlass) to 9 Qts. Water that has been boiled and cooled. Place mixture in a 5-gallon crock or jar. This is sufficient to preserve 15 doz. eggs. Larger amounts in proportion. Jars should be thoroughly cleaned and scalded. Allow 2 inches of solution to cover eggs. Place jar containing eggs in a cool, dry place. Jars should be well covered to prevent evaporation. Waxed paper covering and tied around top will answer. It is not desirable to use Water Glass Solution the second time.

Preserved Eggs can be used for all purposes for table and cooking.

(When boiling preserved eggs a small hole should be made in the shell with a pin at the large end before placing them in water to allow air in the egg to escape when heated to prevent cracking.)

Eggs when properly preserved will keep from 8 to 12 months.

Ask your Grocer for Stoneware Jars bearing the MAPLE LEAF Brand for PACKING EGGS.

Made exclusively by the
WESTERN STONEWARE CO.
MONMOUTH, ILL.



Drinking water is more sanitary and keeps cooler in stone jars. Try one.



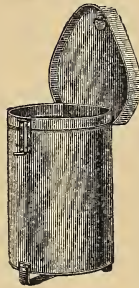
Pot your flowers early and keep the frost and freezes from killing them. All sizes, from two inches to fourteen inches in diameter.

Eggs preserved in Stone Jars Keep perfectly and saves paying high prices when they are scarce.

KEEP THE DRINKING WATER AND FEED SANITARY BY USING THESE FOUNTAINS AND FEEDERS



Baby Chick Water Fountain, will fit any mason jar, without jar, each 15c; dozen \$1.50



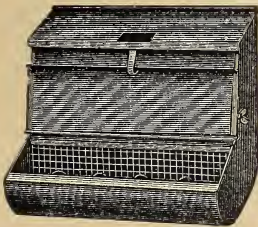
No. 1



No. 2

.....Improved Drop Bottom Fountains, made of heavy Galvanized Iron.

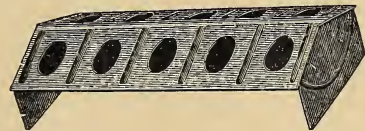
No. 1—1 gal. capacity, each\$1.25
No. 2—2 gal. capacity, each 1.60



The Improved Handy Hopper

is made of heavy galvanized iron, all parts are welded. Hinged lid over both hopper and trough, making it both rat, mouse and dirt proof. Made in four sizes.

No. 1—12 inches long\$1.75
No. 2—15 inches long 2.00
No. 3—24 inches long 2.50
No. 4—36 inches long 3.75



Baby Chick Feed Trough.

Made of galvanized iron, with holes large enough for little chick to get their head in without injury. Top removable for convenience of cleaning.

Each 60c
12 for \$6.00

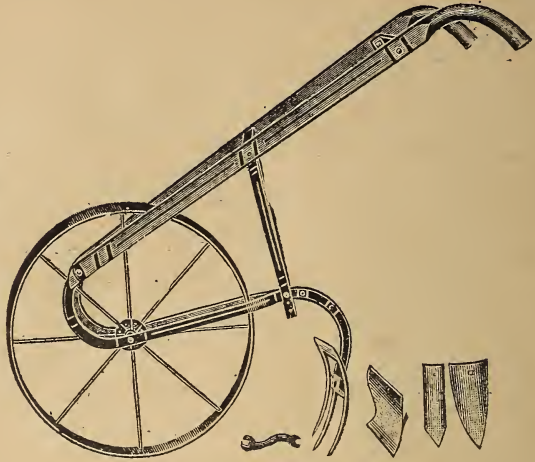
GARDEN PLOWS

—BLUE GRASS—

Natural finish; hardwood handles; steel frame and wheel. Neatly finished in black and red. Adjustable to three different heights.

Complete with crucible steel shovel; calf tongue; one combined weeder and cultivator with three teeth; one mouldboard and wrench.

Each \$4.50.

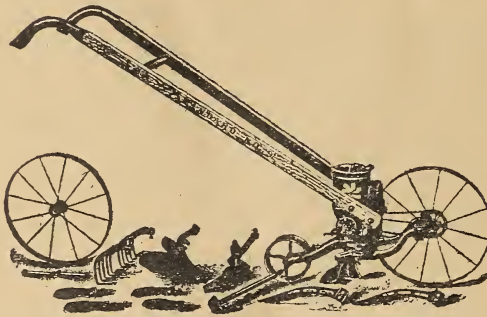


GARDEN SEEDERS AND CULTIVATORS

STANDARD

Hopper, frame and wheels painted black; attachments painted green. This combination tool is easily changed from a double to a single wheel cultivator, and with the hill and drill seeder attachment combines three practical tools into one.

Will plant seed in hills 4, 6, 8, 12 and 24 inches apart or drill in a continuous row. The index for regulating the flow of seed in plain view and easily adjusted with a brass thumb screw. The flow of seed may be instantly stopped by pulling out seed slide as far as it will



Combination Hill and Drill Seeder, Cultivator, Hoe, Plow and Rake.

come where it will latch; by pressing slightly to the right a spring will pull it back to position. Complete as shown, 4 shovels, 1 pair hoes, 1 pair diamonds, 1 pair rakes, 2 leaf guards and wrench. Each \$18.50

THREE SIZES AND PRICES.

- prong; 4-ft. handle
weight 3 lbs.....\$1.00
- 3-prong, 4-ft. handle,
weight 2 lbs.75
- "Midget," 9-inch handle
weight 12 oz.45



In addition to the articles shown on this page, we handle ONE HORSE TURNING PLOWS AND GARDEN CULTIVATORS, SPADING FORKS. HOES, RAKES, CORN PLANTERS AND BROADCAST SEEDERS. RUBBER HOSE, NOZZLES AND SPRINKLERS.

REFERENCE TABLES

Legal and customary weights per bushel and quantities usually sown per acre.

	Quantity Per Acre	Lbs. Per Bu.		Quantity Per Acre	Lbs. Per Bu.
Alfalfa	15 to 20	lbs.....60	Lawn Grass	1 lb. to 200 sq. ft.	
Buckwheat	30 to 60	lbs.....50	Millet—German & com.	30-50	lbs.....50
Bluegrass—Kentucky	30 to 40	lbs.....14	Millet—Pearl or Cat-tail	10-12	lbs.....56
Beans—Garden	1	bu.....60	Mustard	10-12	lbs.....58
Beans—Soja	40 to 60	lbs.....60	Milo Maize—in drills	8-12	lbs.....56
Beans—Castor	4 to 5	lbs.....46	Oats	2-3	bu.....32
Beans—Lima	40 to 60	lbs.....56	Onion Sets—bottom	224	lbs.....32
Beans—Navy	30	lbs.....60	Onion Sets—top		28
Bermuda Grass	5	lbs.....30	Orchard Grass	30-40	lbs.....14
Broom Corn	8 to 12	lbs.....46	Peas, Field, broadcast	120-150	lbs.....60
Clover—White	6 to 8	lbs.....60	Peas—Garden	120-150	lbs.....60
Clover—Red	8 to 12	lbs.....60	Peanuts	6	lbs.....22
Clover—Alsike	8 to 10	lbs.....60	Potatoes—white or Irish	480	lbs.....60
Clover—Crimson	10 to 15	lbs.....60	Potatoes—sweet, 11,000 to 15,000	plts.....50	
Clover—Mammoth	30 to 60	lbs.....60	Red Top, fcy. solid seed	10-12	lbs.....14
Cow Peas	30 to 60	lbs.....60	Red Top, chaff	30-40	lbs.....14
Corn—Shelled	7	lbs.....56	Rape, Dwarf Essex, br'dcast	5	lbs.....50
Corn—Pop	6 to 8	lbs.....56	Rye	80-100	lbs.....56
Cane or Sorghum, drills	8-12	lbs.....50	Ryegrass, English or per.	30-40	lbs.....24
" " broadcast	75-100	lbs.....50	Ryegrass, Italian	30-40	lbs.....24
Fescue—Meadow	1 to 1½	bu.....24	Sorghum—drills	8-12	lbs.....56
Hungarian Millet	½ to 1	bu.....25	Sorghum—broadcast	60-100	lbs.....56
Johnson Grass	1	bu.....25	Sweet Corn	10	lbs.....28
Jerusalem Corn, in drills	8-12	lbs.....56	Timothy	12-20	lbs.....45
Kaffir Corn, in drills	8-12	lbs.....56	Wheat	90-120	lbs.....60
Kaffir Corn, broadcast	7-100	lbs.....56			

Quantity of seed required to produce a given number of plants, giving length of rows and number of hills.

Asparagus 1 oz. to 500 plants.	Melon, Water, 1 oz. to 30 hills.
Beans, Dwarf, 1 qt. to 100 feet of row	Mustard, 1 oz to 100 ft. of row.
Beans, Pole, 1 pt. to 100 hills.	Okra, 1 oz. to 100 ft. of row.
Beets, Garden, 1 oz. to 50 ft. of row.	Onion Seed, ½ oz. to 100 ft. of row.
Beets, Mangel or Stock, 1 oz. to 100 ft. row.	Onion Sets, bottom, 1 qt. to 30 ft. of row.
Cabbage, 1 oz. to 4000 plants.	Onion Sets, top, 1 qt. to 40 ft. of row.
Carrot, 1 oz. to 100 feet of row.	Parsnips, ½ oz. to 100 ft. of row.
Cauliflower, 1 oz. to 3000 to 4000 plants.	Parsley, ½ oz. to 100 ft. of row.
Celery, 1 oz. to 6000 to 8000 plants.	Peas, garden, 1 qt. to 100 ft. of row.
Collards, 1 oz. to 5000 plants.	Peas, field, broadcast.
Corn, Sweet, 1 pt. to 100 hills.	Pepper, 1 oz. to 1000 plants.
Cucumber, 1 oz. to 50 hills.	Pumpkin, ½ lb. to 100 hills.
Egg Plant, 1 oz. to 1500 plants.	Radish, 1 oz. to 100 ft. of row.
Endive, 1-3 oz. to 100 ft. of row.	Salsify, 1 oz. to 50 ft. of row.
Horse Radish Roots. 10,000 to 15,000 plants	Spinach, 1 oz. to 50 ft. of row.
Kale, 1 oz. to 4000 plants.	Squash, 1 oz. to 25 hills.
Kohl Rabi, 1 oz. to 3000 plants	Tomato, 1 oz. to 3000 plants
Lettuce, 1 oz. to 2000 plants.	Tobacco, 1 oz. to 4500 plants.
Melon, Musk, 1 oz. to 50 hills.	Turnip, 1 oz. to 200 ft. of row.

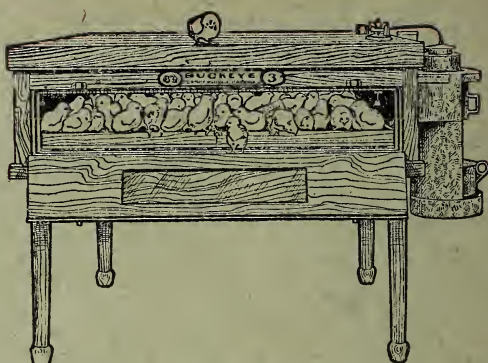
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Are Guaranteed to Hatch MORE
Chicks and BETTER Chicks
Than Any Other Incubator.

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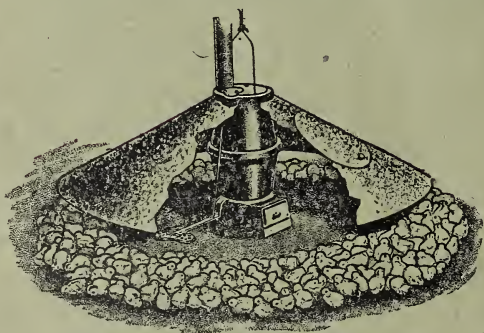
THE OIL-BURNER THAT BROODS LIKE A COAL-BURNER

THERE IS NO WASTE OF HEAT. The dead air space keeps all the heat in and all the cold out. THE "BUCKEYE" LAMP IS NOT ENCLOSED. Made in three Sizes, and sold at the following prices:

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The Standard Colony Brooder

COAL BURNING—SELF-FEEDING—SELF-REGULATING



Burns Any Fuel—Hard or soft coal, charcoal, coke, briquettes, or gas. Hard coal is best. All fuel should be nut size.

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